

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION."

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
1978  
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"

TRACK POSITION DETECTOR/PLO  
TRACK POSITION DETECTOR/PLO  
TRACK POSITION DETECTOR/PLO  
OPERATORS CONTROL PANEL  
OPERATORS CONTROL PANEL  
OPERATORS CONTROL PANEL  
SERVO PREAMP  
SERVO PREAMP  
SERVO PREAMP  
PHOTO TRANSDUCER PREAMPLIFIER  
RK07 READ/WRITE  
RK07 READ/WRITE  
RK07 READ/WRITE  
H767 POWER SUPPLY  
H767 POWER SUPPLY  
H767 POWER SUPPLY  
POWER SUPPLY CAP BOARD  
RK06 CABLING BOARD  
RK06 CABLING BOARD  
RK06 TRANSITION BOARD  
RK06 TRANSITION BOARD  
AWT REVISION STATUS  
WIRE LIST (SINGLE PORT )  
CIRCUIT SCHEMATIC RK06 BACK PANEL  
CIRCUIT SCHEMATIC SPINDLE BRAKE ASSY  
DUAL PORT LOGIC  
DUAL PORT LOGIC  
DUAL PORT LOGIC  
DUAL PORT LOGIC  
DUAL PORT LOGIC  
AWT REVISION STATUS  
WIRE LIST (DUAL PORT)

D-UA-M7908-0-5 (SHT 1 ONLY)  
D-CS-M7908-0-1  
B-PL-M7908-0-0  
D-AH-5411823-0-5 (SHT 1 ONLY)  
D-CS-5411823-0-1  
A-PL-5411823-0-0  
D-AH-5411687-0-5 (SHT 1 ONLY)  
D-CS-5411687-0-1  
B-PL-5411687-0-0  
D-CS-5411881-0-1  
D-UA-5411060-YA (SHT 1 ONLY)  
D-CS-5411060-YA  
B-PL-5411060-YA  
D-AH-5411042-0-5 (SHT 1 ONLY)  
D-CS-5411042-0-1  
A-PL-5411042-0-0  
D-CS-5411040-0-1  
D-AH-M9016-0-5 (SHT 1 ONLY)  
D-CS-M9016-0-1  
D-AH-5411893-0-5 (SHT 1 ONLY)  
D-CS-5411893-0-1  
A-WT-7012474-0  
K-WL-7012474-0-DBW (COMPLETE)  
D-CS-5411864-0-1  
D-CS-7012940-0-1  
D-UA-M7730-0-0 (SHT 1 ONLY)  
D-CS-M7730-0-1  
D-BD-M7730-0-2  
D-TD-M7730-0-3  
B-PL-M7730-0-0  
A-WT-7012474-1  
K-WL-7012474-1-DBW (COMPLETE)

TITLE RK07 DISK DRIVE

SHEET 2 OF 2

SIZE  
B

CODE  
TC

NUMBER  
RK07-0-1

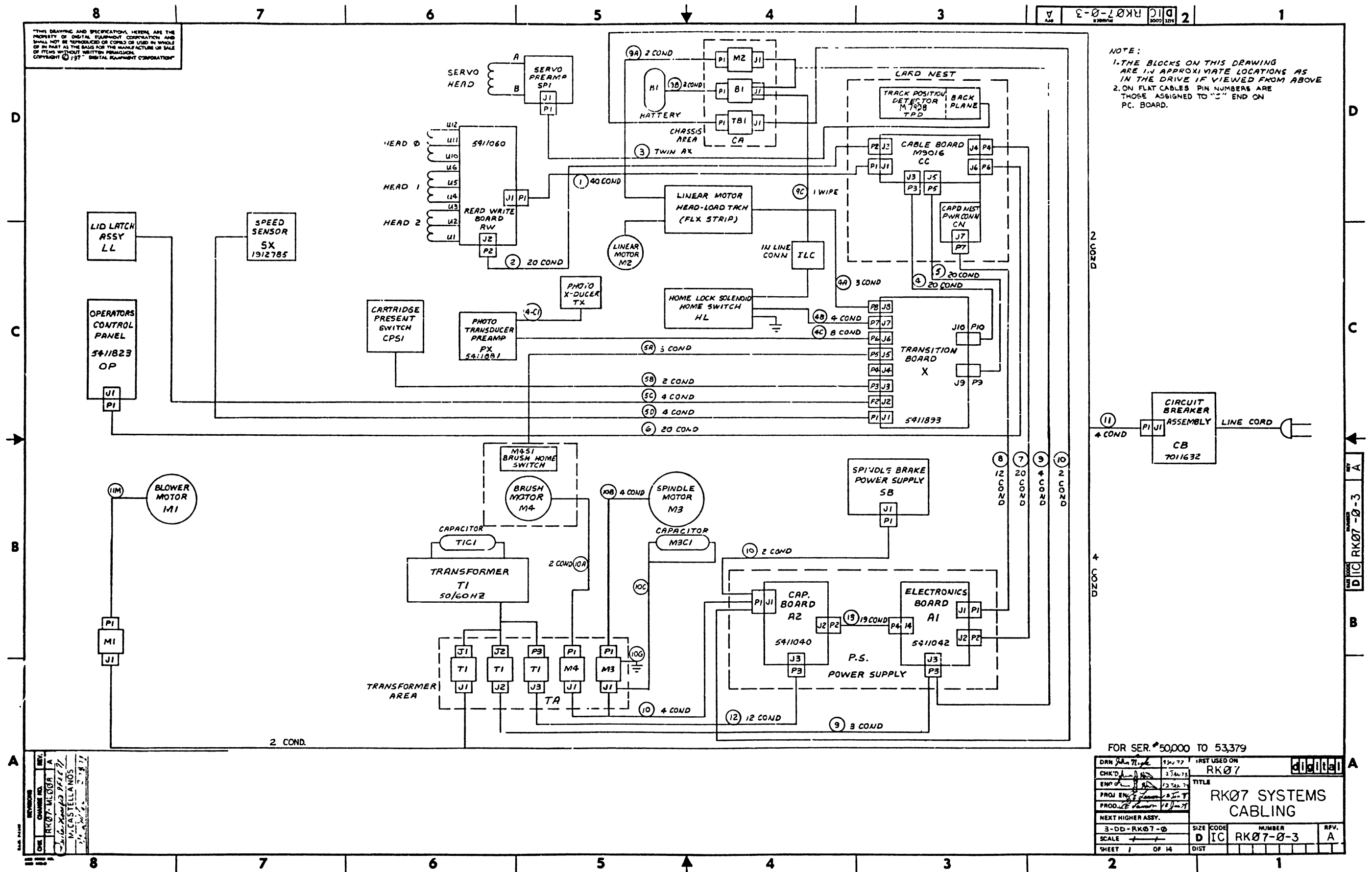
REV  
B

NOTES:

1. \* TWO M7706 BOARDS ONLY USED WITH DUAL ACCESS OPTION, OTHERWISE ONLY ONE IS USED AS FOLLOWS:  
IN SLOT 2 WHEN B ACCESS SELECTED.  
IN SLOT 3 WHEN A ACCESS SELECTED.
2. \* DUAL PORT LOGIC BOARD USED WITH DUAL ACCESS OPTION.

|        |                                                                                                      |                |                                                |                                             |                                                                |                |                |                                           |                |                |                |            |     |        |     |     |       |
|--------|------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|----------------|----------------|-------------------------------------------|----------------|----------------|----------------|------------|-----|--------|-----|-----|-------|
| M7908  | TRK ERR <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> TRK ERR<br>GAIN ZERO |                |                                                |                                             |                                                                |                |                |                                           |                |                | M7908          |            |     |        |     |     |       |
| M7906  | RUN <input checked="" type="checkbox"/>                                                              | MAINT SW2      | OFFSET ADJ <input checked="" type="checkbox"/> | VEL ADJ <input checked="" type="checkbox"/> |                                                                |                |                | MAINT <input checked="" type="checkbox"/> | RUN SW1        | M7906          |                |            |     |        |     |     |       |
| M7907  | CLY ADDR                                                                                             | 2 <sup>9</sup> | 2 <sup>8</sup>                                 | 2 <sup>7</sup>                              | 2 <sup>6</sup>                                                 | 2 <sup>5</sup> | 2 <sup>4</sup> | 2 <sup>3</sup>                            | 2 <sup>2</sup> | 2 <sup>1</sup> | 2 <sup>0</sup> | OFFSET HDS | RTZ | LD HDS | FWD | REV | M7907 |
| M7705  | UNLD HDS                                                                                             | BRUSHES        | SPEED ADJ <input checked="" type="checkbox"/>  |                                             |                                                                |                | SPEED OK       |                                           |                |                |                | M7705      |     |        |     |     |       |
| M7730* | A PORT                                                                                               | B SEL          | A PORT                                         | B REQ                                       | INV <input checked="" type="checkbox"/> NORM<br>PORT B ADDR SW |                |                |                                           |                |                |                |            |     |        |     |     | M7730 |
| M7706  | DR. SEL. A                                                                                           |                |                                                |                                             |                                                                |                |                |                                           |                |                |                |            |     |        |     |     | M7706 |
| M7706  | DR. SEL. B                                                                                           |                |                                                |                                             |                                                                |                |                |                                           |                |                |                |            |     |        |     |     | M7706 |
| M9016  | M9016                                                                                                |                |                                                |                                             |                                                                |                |                |                                           |                |                |                |            |     |        |     |     |       |

|                                                     |                      |                                |               |               |               |               |               |
|-----------------------------------------------------|----------------------|--------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                                     |                      | DESCRIPTION                    |               | DWG./PART NO. |               | ITEM NO.      |               |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |                      |                                |               |               |               |               |               |
| ANGLES<br>20° 30'                                   | CLASS OF<br>ACCURACY | NOMINAL DIMENSION RANGE INCHES |               |               |               |               |               |
|                                                     |                      | OVER<br>0.125                  | OVER<br>0.125 | OVER<br>0.125 | OVER<br>0.125 | OVER<br>0.125 | OVER<br>0.125 |
| SURFACE<br>QUALITY IN                               | (CHECK ONE)          | MICROINCHES                    |               |               |               |               |               |
|                                                     |                      | 0.125                          | 0.125         | 0.125         | 0.125         | 0.125         | 0.125         |
| ✓                                                   | MEDIUM               | TOLERANCES                     |               |               |               |               |               |
|                                                     |                      | ± 0.004                        | ± 0.008       | ± 0.012       | ± 0.016       | ± 0.020       | ± 0.024       |
| QUANTITY & VARIATION                                |                      | PREFERRED                      |               | ± 0.012       |               | ± 0.016       |               |
|                                                     |                      |                                |               | ± 0.020       |               | ± 0.024       |               |
|                                                     |                      |                                |               | ± 0.028       |               | ± 0.032       |               |
|                                                     |                      |                                |               | ± 0.036       |               | ± 0.040       |               |
|                                                     |                      |                                |               | ± 0.044       |               | ± 0.048       |               |
|                                                     |                      |                                |               | ± 0.052       |               | ± 0.056       |               |
|                                                     |                      |                                |               | ± 0.060       |               | ± 0.064       |               |
|                                                     |                      |                                |               | ± 0.068       |               | ± 0.072       |               |
|                                                     |                      |                                |               | ± 0.076       |               | ± 0.080       |               |
|                                                     |                      |                                |               | ± 0.084       |               | ± 0.088       |               |
|                                                     |                      |                                |               | ± 0.092       |               | ± 0.096       |               |
|                                                     |                      |                                |               | ± 0.100       |               | ± 0.104       |               |
|                                                     |                      |                                |               | ± 0.108       |               | ± 0.112       |               |
|                                                     |                      |                                |               | ± 0.116       |               | ± 0.120       |               |
|                                                     |                      |                                |               | ± 0.124       |               | ± 0.128       |               |
|                                                     |                      |                                |               | ± 0.132       |               | ± 0.136       |               |
|                                                     |                      |                                |               | ± 0.140       |               | ± 0.144       |               |
|                                                     |                      |                                |               | ± 0.148       |               | ± 0.152       |               |
|                                                     |                      |                                |               | ± 0.156       |               | ± 0.160       |               |
|                                                     |                      |                                |               | ± 0.168       |               | ± 0.172       |               |
|                                                     |                      |                                |               | ± 0.176       |               | ± 0.180       |               |
|                                                     |                      |                                |               | ± 0.184       |               | ± 0.188       |               |
|                                                     |                      |                                |               | ± 0.192       |               | ± 0.196       |               |
|                                                     |                      |                                |               | ± 0.200       |               | ± 0.204       |               |
|                                                     |                      |                                |               | ± 0.208       |               | ± 0.212       |               |
|                                                     |                      |                                |               | ± 0.216       |               | ± 0.220       |               |
|                                                     |                      |                                |               | ± 0.224       |               | ± 0.228       |               |
|                                                     |                      |                                |               | ± 0.232       |               | ± 0.236       |               |
|                                                     |                      |                                |               | ± 0.240       |               | ± 0.244       |               |
|                                                     |                      |                                |               | ± 0.248       |               | ± 0.252       |               |
|                                                     |                      |                                |               | ± 0.256       |               | ± 0.260       |               |
|                                                     |                      |                                |               | ± 0.264       |               | ± 0.268       |               |
|                                                     |                      |                                |               | ± 0.272       |               | ± 0.276       |               |
|                                                     |                      |                                |               | ± 0.280       |               | ± 0.284       |               |
|                                                     |                      |                                |               | ± 0.288       |               | ± 0.292       |               |
|                                                     |                      |                                |               | ± 0.296       |               | ± 0.300       |               |
|                                                     |                      |                                |               | ± 0.308       |               | ± 0.312       |               |
|                                                     |                      |                                |               | ± 0.320       |               | ± 0.324       |               |
|                                                     |                      |                                |               | ± 0.328       |               | ± 0.332       |               |
|                                                     |                      |                                |               | ± 0.336       |               | ± 0.340       |               |
|                                                     |                      |                                |               | ± 0.344       |               | ± 0.348       |               |
|                                                     |                      |                                |               | ± 0.352       |               | ± 0.356       |               |
|                                                     |                      |                                |               | ± 0.360       |               | ± 0.364       |               |
|                                                     |                      |                                |               | ± 0.368       |               | ± 0.372       |               |
|                                                     |                      |                                |               | ± 0.376       |               | ± 0.380       |               |
|                                                     |                      |                                |               | ± 0.384       |               | ± 0.388       |               |
|                                                     |                      |                                |               | ± 0.392       |               | ± 0.396       |               |
|                                                     |                      |                                |               | ± 0.400       |               | ± 0.404       |               |
|                                                     |                      |                                |               | ± 0.408       |               | ± 0.412       |               |
|                                                     |                      |                                |               | ± 0.416       |               | ± 0.420       |               |
|                                                     |                      |                                |               | ± 0.424       |               | ± 0.428       |               |
|                                                     |                      |                                |               | ± 0.432       |               | ± 0.436       |               |
|                                                     |                      |                                |               | ± 0.440       |               | ± 0.444       |               |
|                                                     |                      |                                |               | ± 0.448       |               | ± 0.452       |               |
|                                                     |                      |                                |               | ± 0.456       |               | ± 0.460       |               |
|                                                     |                      |                                |               | ± 0.464       |               | ± 0.468       |               |
|                                                     |                      |                                |               | ± 0.472       |               | ± 0.476       |               |
|                                                     |                      |                                |               | ± 0.480       |               | ± 0.484       |               |
|                                                     |                      |                                |               | ± 0.488       |               | ± 0.492       |               |
|                                                     |                      |                                |               | ± 0.496       |               | ± 0.500       |               |
|                                                     |                      |                                |               | ± 0.508       |               | ± 0.512       |               |
|                                                     |                      |                                |               | ± 0.520       |               | ± 0.524       |               |
|                                                     |                      |                                |               | ± 0.528       |               | ± 0.532       |               |
|                                                     |                      |                                |               | ± 0.536       |               | ± 0.540       |               |
|                                                     |                      |                                |               | ± 0.544       |               | ± 0.548       |               |
|                                                     |                      |                                |               | ± 0.552       |               | ± 0.556       |               |
|                                                     |                      |                                |               | ± 0.560       |               | ± 0.564       |               |
|                                                     |                      |                                |               | ± 0.568       |               | ± 0.572       |               |
|                                                     |                      |                                |               | ± 0.576       |               | ± 0.580       |               |
|                                                     |                      |                                |               | ± 0.584       |               | ± 0.588       |               |
|                                                     |                      |                                |               | ± 0.592       |               | ± 0.596       |               |
|                                                     |                      |                                |               | ± 0.600       |               | ± 0.604       |               |
|                                                     |                      |                                |               | ± 0.608       |               | ± 0.612       |               |
|                                                     |                      |                                |               | ± 0.616       |               | ± 0.620       |               |
|                                                     |                      |                                |               | ± 0.624       |               | ± 0.628       |               |
|                                                     |                      |                                |               | ± 0.632       |               | ± 0.636       |               |
|                                                     |                      |                                |               | ± 0.640       |               | ± 0.644       |               |
|                                                     |                      |                                |               | ± 0.648       |               | ± 0.652       |               |
|                                                     |                      |                                |               | ± 0.656       |               | ± 0.660       |               |
|                                                     |                      |                                |               | ± 0.664       |               | ± 0.668       |               |
|                                                     |                      |                                |               | ± 0.672       |               | ± 0.676       |               |
|                                                     |                      |                                |               | ± 0.680       |               | ± 0.684       |               |
|                                                     |                      |                                |               | ± 0.688       |               | ± 0.692       |               |
|                                                     |                      |                                |               | ± 0.696       |               | ± 0.700       |               |
|                                                     |                      |                                |               | ± 0.708       |               | ± 0.712       |               |
|                                                     |                      |                                |               | ± 0.720       |               | ± 0.724       |               |
|                                                     |                      |                                |               | ± 0.728       |               | ± 0.732       |               |
|                                                     |                      |                                |               | ± 0.736       |               | ± 0.740       |               |
|                                                     |                      |                                |               | ± 0.744       |               | ± 0.748       |               |
|                                                     |                      |                                |               | ± 0.752       |               | ± 0.756       |               |
|                                                     |                      |                                |               | ± 0.760       |               | ± 0.764       |               |
|                                                     |                      |                                |               | ± 0.768       |               | ± 0.772       |               |
|                                                     |                      |                                |               | ± 0.776       |               | ± 0.780       |               |
|                                                     |                      |                                |               | ± 0.784       |               | ± 0.788       |               |
|                                                     |                      |                                |               | ± 0.792       |               | ± 0.796       |               |
|                                                     |                      |                                |               | ± 0.800       |               | ± 0.804       |               |
|                                                     |                      |                                |               | ± 0.808       |               | ± 0.812       |               |
|                                                     |                      |                                |               | ± 0.816       |               | ± 0.820       |               |
|                                                     |                      |                                |               | ± 0.824       |               | ± 0.828       |               |
|                                                     |                      |                                |               | ± 0.832       |               | ± 0.836       |               |
|                                                     |                      |                                |               | ± 0.840       |               | ± 0.844       |               |
|                                                     |                      |                                |               | ± 0.848       |               | ± 0.852       |               |
|                                                     |                      |                                |               | ± 0.856       |               | ± 0.860       |               |
|                                                     |                      |                                |               | ± 0.864       |               | ± 0.868       |               |
|                                                     |                      |                                |               | ± 0.872       |               | ± 0.876       |               |
|                                                     |                      |                                |               | ± 0.880       |               | ± 0.884       |               |
|                                                     |                      |                                |               | ± 0.888       |               | ± 0.892       |               |
|                                                     |                      |                                |               | ± 0.896       |               | ± 0.900       |               |
|                                                     |                      |                                |               | ± 0.908       |               | ± 0.912       |               |
|                                                     |                      |                                |               | ± 0.920       |               | ± 0.924       |               |
|                                                     |                      |                                |               | ± 0.928       |               | ± 0.932       |               |
|                                                     |                      |                                |               | ± 0.936       |               | ± 0.940       |               |
|                                                     |                      |                                |               | ± 0.944       |               | ± 0.948       |               |
|                                                     |                      |                                |               | ± 0.952       |               | ± 0.956       |               |
|                                                     |                      |                                |               | ± 0.960       |               | ± 0.964       |               |
|                                                     |                      |                                |               | ± 0.968       |               | ± 0.972       |               |
|                                                     |                      |                                |               | ± 0.976       |               | ± 0.980       |               |
|                                                     |                      |                                |               | ± 0.984       |               | ± 0.988       |               |
|                                                     |                      |                                |               | ± 0.992       |               | ± 1.000       |               |
|                                                     |                      |                                |               | ± 1.008       |               | ± 1.012       |               |
|                                                     |                      |                                |               | ± 1.020       |               | ± 1.024       |               |
|                                                     |                      |                                |               | ± 1.028       |               | ± 1.032       |               |
|                                                     |                      |                                |               | ± 1.036       |               | ± 1.040       |               |
|                                                     |                      |                                |               | ± 1.044       |               | ± 1.048       |               |
|                                                     |                      |                                |               | ± 1.052       |               | ± 1.056       |               |
|                                                     |                      |                                |               | ± 1.060       |               | ± 1.064       |               |
|                                                     |                      |                                |               | ± 1.068       |               | ± 1.072       |               |
|                                                     |                      |                                |               | ± 1.076       |               | ± 1.080       |               |
|                                                     |                      |                                |               | ± 1.084       |               | ± 1.088       |               |
|                                                     |                      |                                |               | ± 1.092       |               | ± 1.096       |               |
|                                                     |                      |                                |               | ± 1.100       |               | ± 1.104       |               |
|                                                     |                      |                                |               | ± 1.108       |               | ± 1.112       |               |
|                                                     |                      |                                |               | ± 1.120       |               | ± 1.124       |               |
|                                                     |                      |                                |               | ± 1.128       |               | ± 1.132       |               |
|                                                     |                      |                                |               | ± 1.136       |               | ± 1.140       |               |
|                                                     |                      |                                |               | ± 1.144       |               | ± 1.148       |               |
|                                                     |                      |                                |               | ± 1.152       |               | ± 1.156       |               |
|                                                     |                      |                                |               | ± 1.160       |               | ± 1.164       |               |
|                                                     |                      |                                |               | ± 1.168       |               | ± 1.172       |               |
|                                                     |                      |                                |               | ± 1.176       |               | ± 1.180       |               |
|                                                     |                      |                                |               | ± 1.184       |               | ± 1.188       |               |
|                                                     |                      |                                |               | ± 1.192       |               | ± 1.196       |               |
|                                                     |                      |                                |               | ± 1.200       |               | ± 1.204       |               |
|                                                     |                      |                                |               | ± 1.208       |               | ± 1.212       |               |
|                                                     |                      |                                |               | ± 1.216       |               | ± 1.220       |               |
|                                                     |                      |                                |               | ± 1.224       |               | ± 1.228       |               |
|                                                     |                      |                                |               | ± 1.232       |               | ± 1.236       |               |
|                                                     |                      |                                |               | ± 1.240       |               | ± 1.244       |               |
|                                                     |                      |                                |               | ± 1.248       |               | ± 1.252       |               |
|                                                     |                      |                                |               | ± 1.256       |               | ± 1.260       |               |
|                                                     |                      |                                |               | ± 1.264       |               | ± 1.268       |               |
|                                                     |                      |                                |               | ± 1.272       |               | ± 1.276       |               |
|                                                     |                      |                                |               | ± 1.280       |               | ± 1.284       |               |
|                                                     |                      |                                |               | ± 1.288       |               | ± 1.292       |               |
|                                                     |                      |                                |               | ± 1.296       |               | ± 1.300       |               |
|                                                     |                      |                                |               | ± 1.308       |               | ± 1.312       |               |
|                                                     |                      |                                |               | ± 1.320       |               | ± 1.324       |               |
|                                                     |                      |                                |               | ± 1.328       |               | ± 1.332       |               |
|                                                     |                      |                                |               | ± 1.336       |               | ± 1.340       |               |
|                                                     |                      |                                |               | ± 1.344       |               | ± 1.348       |               |
|                                                     |                      |                                |               | ± 1.352       |               | ± 1.356       |               |
|                                                     |                      |                                |               | ± 1.360       |               | ± 1.364       |               |
|                                                     |                      |                                |               | ± 1.368       |               | ± 1.372       |               |
|                                                     |                      |                                |               | ± 1.376       |               | ± 1.380       |               |
|                                                     |                      |                                |               | ± 1.384       |               | ± 1.388       |               |
|                                                     |                      |                                |               | ± 1.392       |               | ± 1.396       |               |
|                                                     |                      |                                |               | ± 1.400       |               | ± 1.404       |               |
|                                                     |                      |                                |               | ± 1.408       |               | ± 1.412       |               |
|                                                     |                      |                                |               | ± 1.416       |               | ± 1.420       |               |
|                                                     |                      |                                |               | ± 1.424       |               | ± 1.428       |               |
|                                                     |                      |                                |               | ± 1.432       |               | ± 1.436       |               |
|                                                     |                      |                                |               | ± 1.440       |               | ± 1.444       |               |
|                                                     |                      |                                |               | ± 1.448       |               | ± 1.452       |               |
|                                                     |                      |                                |               | ± 1.456       |               | ± 1.460       |               |
|                                                     |                      |                                |               | ± 1.464       |               | ± 1.468       |               |
|                                                     |                      |                                |               | ± 1.472       |               | ± 1.476       |               |
|                                                     |                      |                                |               | ± 1.480       |               | ± 1.484       |               |
|                                                     |                      |                                |               | ± 1.488       |               | ± 1.492       |               |
|                                                     |                      |                                |               | ± 1.496       |               | ± 1.500       |               |
|                                                     |                      |                                |               | ± 1.508       |               | ± 1.512       |               |
|                                                     |                      |                                |               | ± 1.520       |               | ± 1.524       |               |
|                                                     |                      |                                |               | ± 1.528       |               | ± 1.532       |               |
|                                                     |                      |                                |               | ± 1.536       |               | ± 1.540       |               |
|                                                     |                      |                                |               | ± 1.544       |               | ± 1.548       |               |
|                                                     |                      |                                |               | ± 1.552       |               | ± 1.556       |               |
|                                                     |                      |                                |               | ± 1.560       |               | ± 1.564       |               |
|                                                     |                      |                                |               | ± 1.568       |               | ± 1.572       |               |
|                                                     |                      |                                |               | ± 1.576       |               | ± 1.580       |               |
|                                                     |                      |                                |               | ± 1.584       |               | ± 1.588       |               |
|                                                     |                      |                                |               | ± 1.592       |               | ± 1.596       |               |
|                                                     |                      |                                |               | ± 1.600       |               | ± 1.604       |               |
|                                                     |                      |                                |               | ± 1.608       |               | ± 1.612       |               |
|                                                     |                      |                                |               | ± 1.616       |               | ± 1.620       |               |
|                                                     |                      |                                |               | ± 1.624       |               | ± 1.628       |               |
|                                                     |                      |                                |               | ± 1.632       |               | ± 1.636       |               |
|                                                     |                      |                                |               | ± 1.640       |               | ± 1.644       |               |
|                                                     |                      |                                |               | ± 1.648       |               | ± 1.652       |               |
|                                                     |                      |                                |               | ± 1.656       |               | ± 1.660       |               |
|                                                     |                      |                                |               | ± 1.664       |               | ± 1.668       |               |
|                                                     |                      |                                |               | ± 1.672       |               | ± 1.676       |               |
|                                                     |                      |                                |               | ± 1.680       |               | ± 1.684       |               |
|                                                     |                      |                                |               | ± 1.688       |               | ± 1.692       |               |
|                                                     |                      |                                |               | ± 1.696       |               | ± 1.700       |               |
|                                                     |                      |                                |               | ± 1.708       |               | ± 1.712       |               |
|                                                     |                      |                                |               | ± 1.720       |               | ± 1.724       |               |
|                                                     |                      |                                |               | ± 1.728       |               | ± 1.732       |               |
|                                                     |                      |                                |               | ± 1.736       |               | ± 1.740       |               |
|                                                     |                      |                                |               | ± 1.744       |               | ± 1.748       |               |
|                                                     |                      |                                |               | ± 1.752       |               | ± 1.756       |               |
|                                                     |                      |                                |               | ± 1.760       |               | ± 1.764       |               |
|                                                     |                      |                                |               | ± 1.768       |               | ± 1.772       |               |
|                                                     |                      |                                |               | ± 1.776       |               | ± 1.780       |               |
|                                                     |                      |                                |               | ± 1.784       |               | ± 1.788       |               |
|                                                     |                      |                                |               | ± 1.792       |               | ± 1.796       |               |
|                                                     |                      |                                |               | ± 1.800       |               | ± 1.804       |               |
|                                                     |                      |                                |               | ± 1.808       |               | ± 1.812       |               |
|                                                     |                      |                                |               | ± 1.816       |               | ± 1.820       |               |
|                                                     |                      |                                |               | ± 1.824       |               | ± 1.828       |               |
|                                                     |                      |                                |               | ± 1.832       |               | ± 1.836       |               |
|                                                     |                      |                                |               | ± 1.840       |               | ± 1.844       |               |
|                                                     |                      |                                |               | ± 1.848       |               | ± 1.852       |               |
|                                                     |                      |                                |               | ± 1.856       |               | ± 1.860       |               |
|                                                     |                      |                                |               | ± 1.864       |               | ± 1.868       |               |
|                                                     |                      |                                |               | ± 1.872       |               | ± 1.876       |               |
|                                                     |                      |                                |               | ± 1.880       |               | ± 1.884       |               |
|                                                     |                      |                                |               | ± 1.888       |               | ± 1.892       |               |
|                                                     |                      |                                |               | ± 1.896       |               | ± 1.900       |               |
|                                                     |                      |                                |               | ± 1.908       |               | ± 1.912       |               |
|                                                     |                      |                                |               | ± 1.920       |               | ± 1.924       |               |
|                                                     |                      |                                |               | ± 1.928       |               | ± 1.932       |               |
|                                                     |                      |                                |               | ± 1.936       |               | ± 1.940       |               |
|                                                     |                      |                                |               | ± 1.944       |               | ± 1.948       |               |
|                                                     |                      |                                |               | ± 1.952       |               | ± 1.956       |               |
|                                                     |                      |                                |               | ± 1.960       |               | ± 1.964       |               |
|                                                     |                      |                                |               | ± 1.968       |               | ± 1.972       |               |
|                                                     |                      |                                |               | ± 1.976       |               | ± 1.980       |               |
|                                                     |                      |                                |               | ± 1.984       |               | ± 1.988       |               |
|                                                     |                      |                                |               | ± 1.992       |               | ± 2.000       |               |
|                                                     |                      |                                |               | ± 2.008       |               | ± 2.012       |               |
|                                                     |                      |                                |               | ± 2.020       |               | ± 2.024       |               |
|                                                     |                      |                                |               | ± 2.028       |               | ± 2.032       |               |
|                                                     |                      |                                |               | ± 2.036       |               | ± 2.040       |               |
|                                                     |                      |                                |               | ± 2.044       |               | ± 2.048       |               |
|                                                     |                      |                                |               | ± 2.052       |               | ± 2.056       |               |
|                                                     |                      |                                |               | ± 2.060       |               | ± 2.064       |               |
|                                                     |                      |                                |               | ± 2.068       |               | ± 2.072       |               |
|                                                     |                      |                                |               | ± 2.076       |               | ± 2.080       |               |
|                                                     |                      |                                |               | ± 2.084       |               | ± 2.088       |               |
|                                                     |                      |                                |               | ± 2.092       |               | ± 2.096       |               |





THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION

| SIGNAL NAME    | CABLE CARD (CC) SLOT-1 BACK-PLANE PIN | CABLE NUMBER       | R/W-BOARD (RW) CABLE CONN-PIN | REMARKS                                     |
|----------------|---------------------------------------|--------------------|-------------------------------|---------------------------------------------|
| GND-C          | J1/P1-A                               | 40 COND R/W (GREY) | P1/J1-UU                      | FOR R/W BOARD CONN LAYOUT SEE SHEET 5 FIG 1 |
| GND-C          | J1/P1-B                               |                    | P1/J1-VV                      |                                             |
| CYL-ADD 7 H    | DN2                                   |                    | P1/J1-TT                      |                                             |
| CYL-ADD 6 H    | DP2                                   |                    | P1/J1-SS                      |                                             |
|                |                                       |                    | P1/J1-RR                      |                                             |
| CYL-ADD 8 H    | CR1                                   |                    | P1/J1-PP                      |                                             |
| +5B            | DA2                                   |                    | P1/J1-NN                      |                                             |
| +5B            | DA2                                   |                    | P1/J1-MM                      |                                             |
| +25B           | DE2                                   |                    | P1/J1-LL                      |                                             |
| +25B           | DE2                                   |                    | P1/J1-KK                      |                                             |
| GND-C          | J1/P1-L                               |                    | P1/J1-JJ                      |                                             |
| WR DATA L      | DS2                                   |                    | P1/J1-HH                      |                                             |
| GND-C          | J1/P1-M                               |                    | P1/J1-FF                      |                                             |
| WR GATE L      | DU2                                   |                    | P1/J1-EE                      |                                             |
| ALIGN SIGN+    | DM1                                   |                    | P1/J1-DD                      |                                             |
| ALIGN SIGN-    | DN1                                   |                    | P1/J1-CC                      |                                             |
| SET CURR FAULT | DM2                                   |                    | P1/J1-BB                      |                                             |
| SET HD FAULT L | DV1                                   |                    | P1/J1-AA                      |                                             |
| SET MULT HD L  | DL2                                   |                    | P1/J1-ZZ                      |                                             |
|                |                                       |                    | P1/J1-Y                       |                                             |
|                |                                       |                    | P1/J1-X                       |                                             |
|                |                                       |                    | P1/J1-W                       |                                             |
|                |                                       |                    | P1/J1-V                       |                                             |
|                |                                       |                    | P1/J1-U                       |                                             |
|                |                                       |                    | P1/J1-T                       |                                             |
|                |                                       |                    | P1/J1-S                       |                                             |
|                |                                       |                    | P1/J1-R                       |                                             |
|                |                                       |                    | P1/J1-Q                       |                                             |
|                |                                       |                    | P1/J1-P                       |                                             |
|                |                                       |                    | P1/J1-O                       |                                             |
|                |                                       |                    | P1/J1-N                       |                                             |
|                |                                       |                    | P1/J1-M                       |                                             |
|                |                                       |                    | P1/J1-L                       |                                             |
|                |                                       |                    | P1/J1-K                       |                                             |
|                |                                       |                    | P1/J1-J                       |                                             |
|                |                                       |                    | P1/J1-I                       |                                             |
|                |                                       |                    | P1/J1-H                       |                                             |
|                |                                       |                    | P1/J1-G                       |                                             |
|                |                                       |                    | P1/J1-F                       |                                             |
|                |                                       |                    | P1/J1-E                       |                                             |
|                |                                       |                    | P1/J1-D                       |                                             |
|                |                                       |                    | P1/J1-C                       |                                             |
|                |                                       |                    | P1/J1-B                       |                                             |
|                |                                       |                    | P1/J1-A                       |                                             |

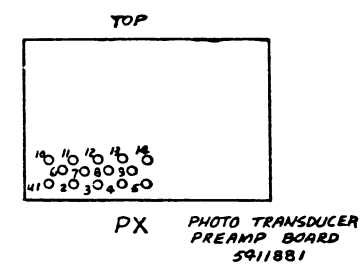
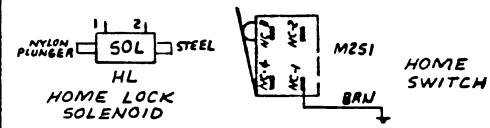
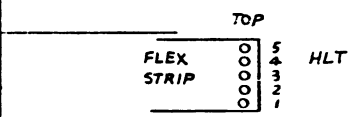
| SIGNAL NAME | CABLE CARD (CC) SLOT-1 BACK-PLANE PIN | CABLE NUMBER       | R/W-BOARD (RW) CABLE CONN-PIN | REMARKS                                     |
|-------------|---------------------------------------|--------------------|-------------------------------|---------------------------------------------|
| +15         | DD2                                   | 20 COND R/W (GREY) | P2/J2-X                       | FOR R/W BOARD CONN LAYOUT SEE SHEET 5 FIG 1 |
| +15         | DD2                                   |                    | P2/J2-W                       |                                             |
| GND D       | DR2                                   |                    | P2/J2-V                       |                                             |
| GND D       | DR2                                   |                    | P2/J2-U                       |                                             |
| -5          | DR2                                   |                    | P2/J2-T                       |                                             |
| -5          | DR2                                   |                    | P2/J2-S                       |                                             |
| GND         | DA2                                   |                    | P2/J2-R                       |                                             |
| GND         | DA2                                   |                    | P2/J2-Q                       |                                             |
| +5C         | DA2                                   |                    | P2/J2-P                       |                                             |
| +5C         | DA2                                   |                    | P2/J2-M                       |                                             |
| GND-D       | CV1                                   |                    | P2/J2-L                       |                                             |
| GND-D       | CU2                                   |                    | P2/J2-K                       |                                             |
| WR-GATE-L   | CU1                                   |                    | P2/J2-J                       |                                             |
| GND-D       |                                       |                    | P2/J2-I                       |                                             |
| RD DATA 2 L |                                       |                    | P2/J2-H                       |                                             |
| GND D       |                                       |                    | P2/J2-G                       |                                             |
| RD DATA 1 L |                                       |                    | P2/J2-F                       |                                             |
| GND D       |                                       |                    | P2/J2-E                       |                                             |
| GND D       |                                       |                    | P2/J2-D                       |                                             |
| GND D       |                                       |                    | P2/J2-C                       |                                             |
| GND D       |                                       |                    | P2/J2-B                       |                                             |
| GND D       |                                       |                    | P2/J2-A                       |                                             |

| SIGNAL NAME | SERVO PREAMP (SPA) PIN | WIRE COLOR | CABLE NUMBER | M7708 BACK PLANE PIN | REMARKS |
|-------------|------------------------|------------|--------------|----------------------|---------|
| +15V        | SPI-J1/P1-2            | ORN        | 3            | SLOT 8 CD2           | DRAIN   |
| GND         | SPI-J1/P1-3            | BLK        |              | SLOT 8 CC2           |         |
| SVO PRE B   | SPI-J1/P1-6            | BLU        |              | SLOT 8 DP2           |         |
| SVO PRE COM | SPI-J1/P1-7            | WHT        |              | SLOT 8 DMT           |         |
| SVO PRE A   | SPI-J1/P1-8            | CLEAR      |              | SLOT 8 DJ2           |         |

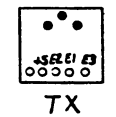
PIN-1  
THIS SIDE UP  
PIN-9

SERVO PREAMP P1

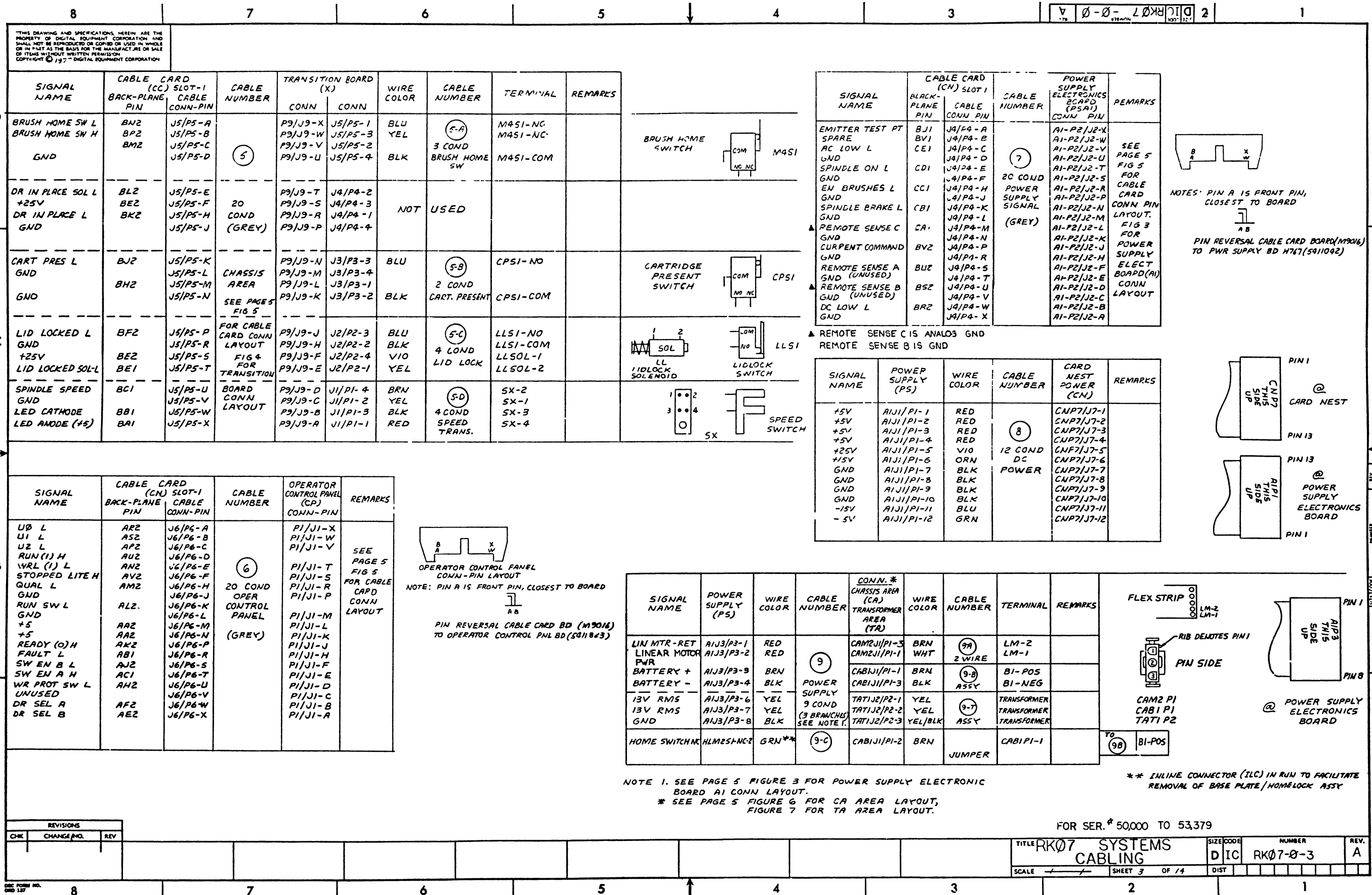
| SIGNAL NAME         | CABLE CARD (CC) SLOT-1 BACK-PLANE PIN | CABLE NUMBER | TRANSITION BOARD (X) CONN | WIRE COLOR | CABLE NUMBER             | TERMINAL | REMARKS                                  |
|---------------------|---------------------------------------|--------------|---------------------------|------------|--------------------------|----------|------------------------------------------|
| HD LD #2 (BUCKING)  | CR2                                   | J3/P3-A      | P10/J10-X                 | YEL        | 4-A                      | HLT-5    | HLT                                      |
| HD LD COMMEN        | CS2                                   | J3/P3-B      | P10/J10-W                 | GRY        |                          | HLT-4    |                                          |
| HD LD #1 (TACH)     | CP2                                   | J3/P3-C      | P10/J10-V                 | GRN        |                          | HLT-3    |                                          |
| GND                 |                                       | J3/P3-D      | P10/J10-U                 | -          | 3 COND HEAD LOAD TACH    | -        |                                          |
| HOME L              | CN2                                   | J3/P3-E      | P10/J10-T                 | ORN        | 4-B                      | HLM251-4 | HOME SWITCH                              |
| +25V                | CE2                                   | J3/P3-F      | P10/J10-S                 | VIO        |                          | HLSOL-1  |                                          |
| HOME LOCK RELEASE L | CM2                                   | J3/P3-H      | P10/J10-R                 | YEL        |                          | HLSOL-2  |                                          |
| GND                 |                                       | J3/P3-J      | P10/J10-P                 | BLK        | 4 COND HOME SW HOME LOCK | HLM251-3 |                                          |
| LIM PA              | CL2                                   | J3/P3-K      | P10/J10-N                 | VIO        | 4-C                      | PXU12    | PX PHOTO TRANSDUCER PREAMP BOARD 5911881 |
| GND                 |                                       | J3/P3-L      | P10/J10-M                 | -          |                          | PXU9     |                                          |
| +COS PA             | CK2                                   | J3/P3-M      | P10/J10-L                 | GRN        |                          | PXU14    |                                          |
| GND                 |                                       | J3/P3-N      | P10/J10-K                 | -          |                          | PXU4     |                                          |
| -SIN PA             | CJ2                                   | J3/P3-P      | P10/J10-J                 | YEL        |                          | PXU6     |                                          |
| GND                 |                                       | J3/P3-Q      | P10/J10-I                 | -          |                          | PXU8     |                                          |
| +15V                | CD2                                   | J3/P3-S      | P10/J10-F                 | ORN        |                          | PXU1     |                                          |
| -15V                | CH1                                   | J3/P3-T      | P10/J10-E                 | WHT        |                          | PXU2     |                                          |
| LED CATHODE         | CB2                                   | J3/P3-U      | P10/J10-D                 | BLU        |                          |          |                                          |
| GLASS XDR COM (GND) | CF1                                   | J3/P3-V      | P10/J10-C                 | BLK        |                          |          |                                          |
| +5V                 | CA2                                   | J3/P3-W      | P10/J10-B                 | RED        |                          |          |                                          |
|                     |                                       | J3/P3-X      | P10/J10-A                 |            |                          |          |                                          |



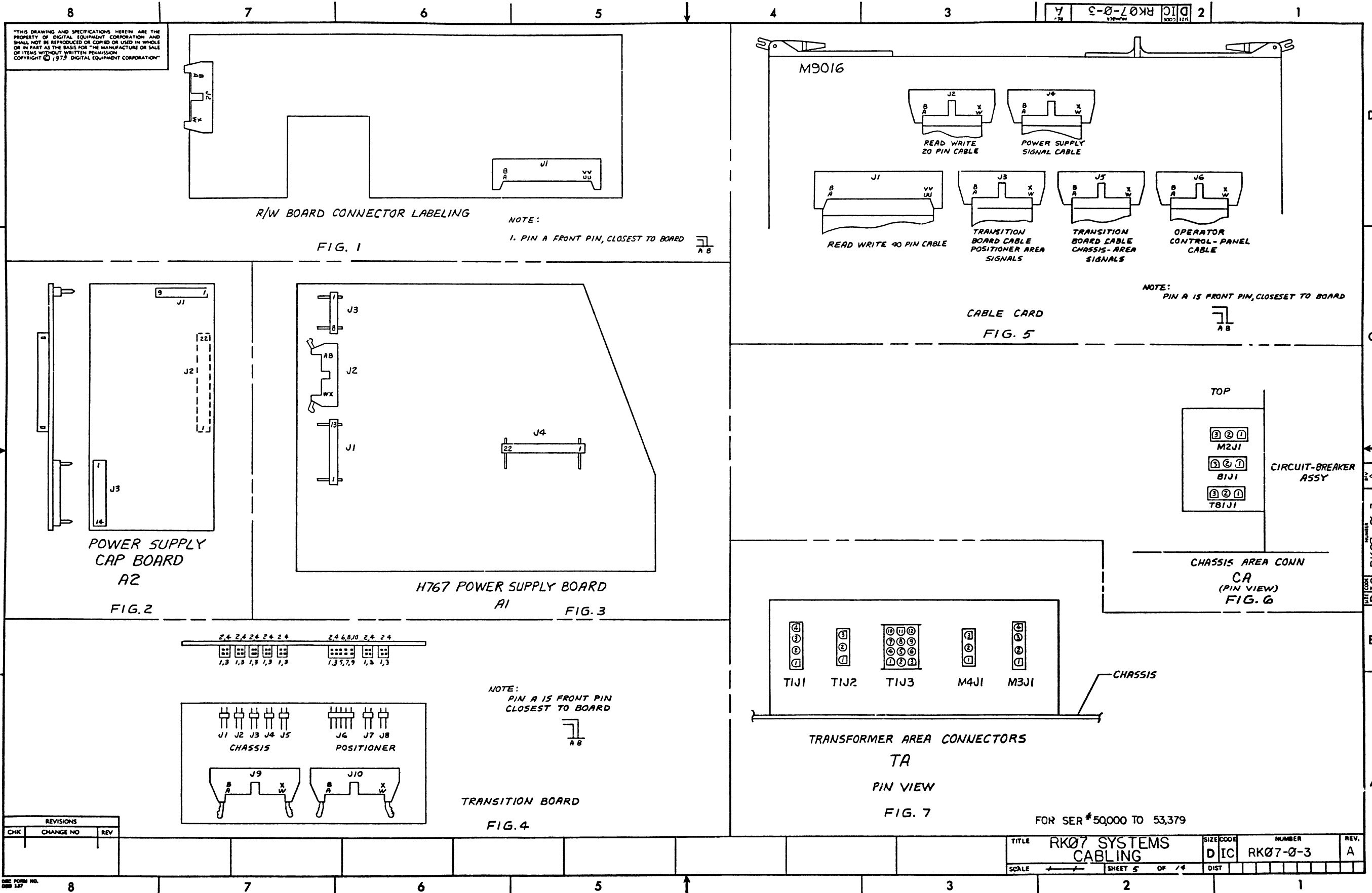
| SIGNAL NAME           | PHOTO TRANSDUCER PREAMP (PX) | WIRE COLOR | CABLE NUMBER | TRANSDUCER ASSEMBLY (TX) | REMARKS                            |
|-----------------------|------------------------------|------------|--------------|--------------------------|------------------------------------|
| SIN X (E1)            | PX-U5                        | YEL        | 4C           | TX-E1                    | 6 WIRES (PART OF PHOTO TRANS ASSY) |
| -COS-X (E2)           | PX-U13                       | GRN        |              | TX-E2                    |                                    |
| LIM-X (E3)            | PX-U3                        | VIO        |              | TX-E3                    |                                    |
| PHOTO DIODE CATH (HV) | PX-U11                       | BRN        |              | TX-+5                    |                                    |
| LED ANODE (+5V)       | PX-U17                       | RED        |              | TX-AN                    |                                    |
| LED CATHODE           | PX-U10                       | WHT        |              | TX-CA                    |                                    |



| CHK | CHANGE NO | REV |
|-----|-----------|-----|
|     |           |     |



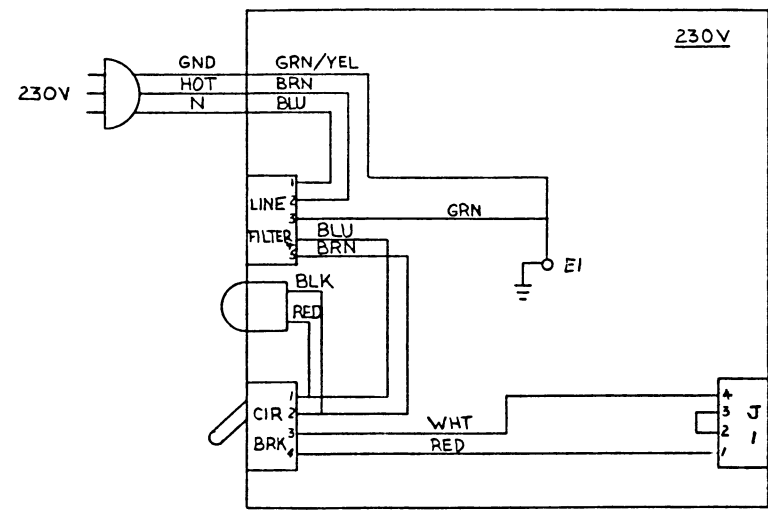
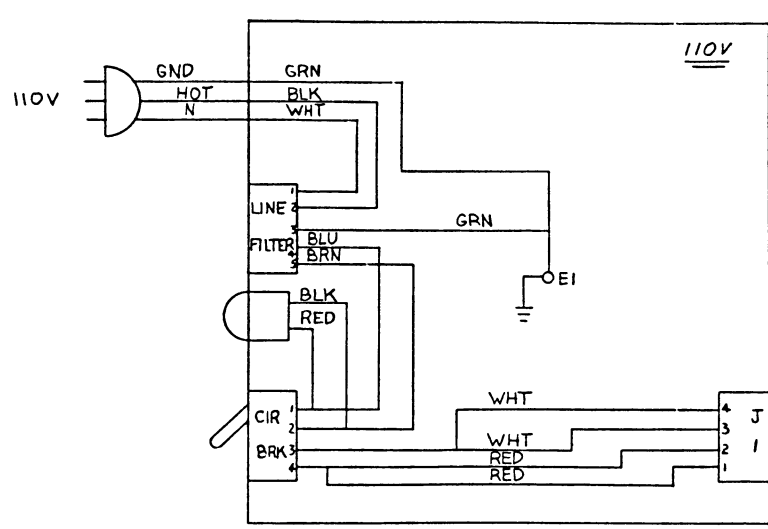




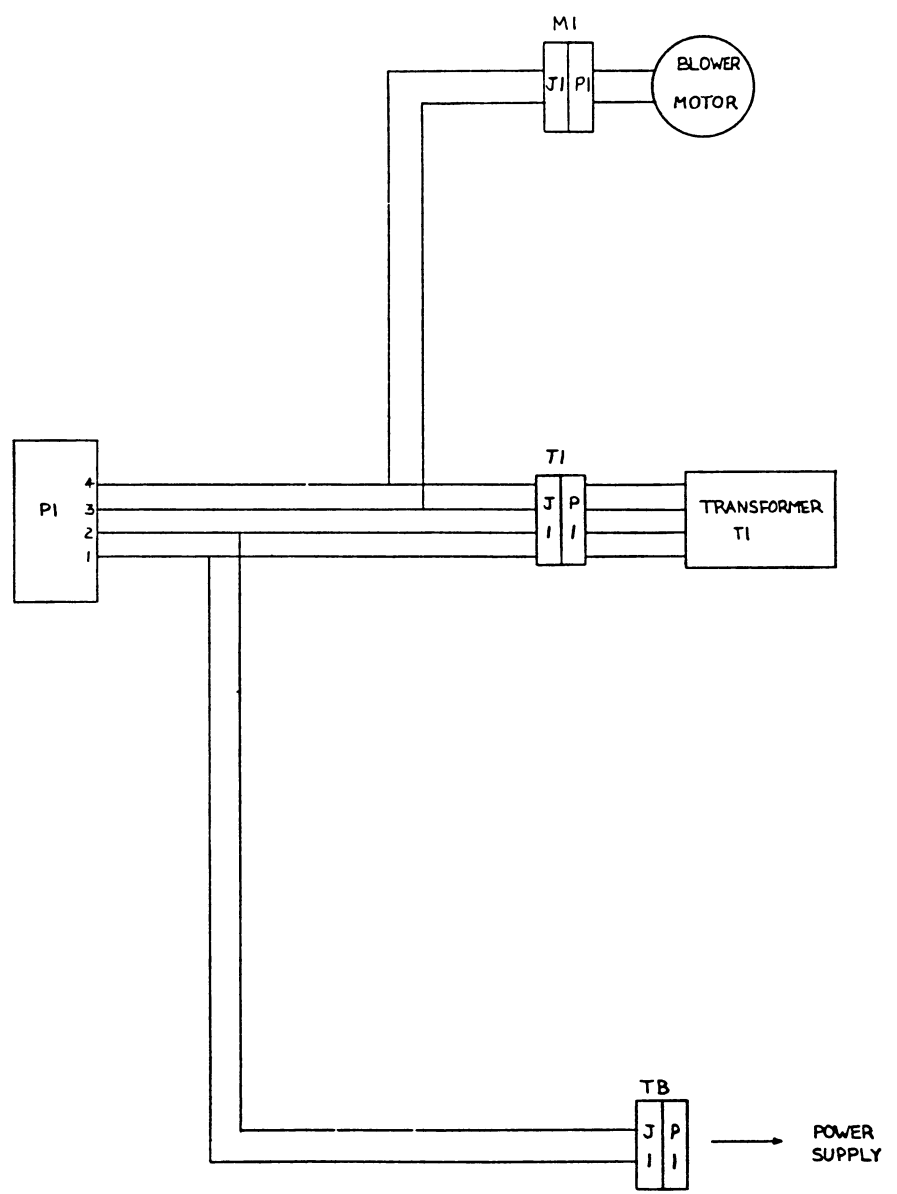
| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

|                      |              |           |          |      |
|----------------------|--------------|-----------|----------|------|
| TITLE                |              | SIZE CODE | NUMBER   | REV. |
| RK07 SYSTEMS CABLING |              | DIC       | RK07-0-3 | A    |
| SCALE                | SHEET 5 OF 4 | DIST      |          |      |

THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



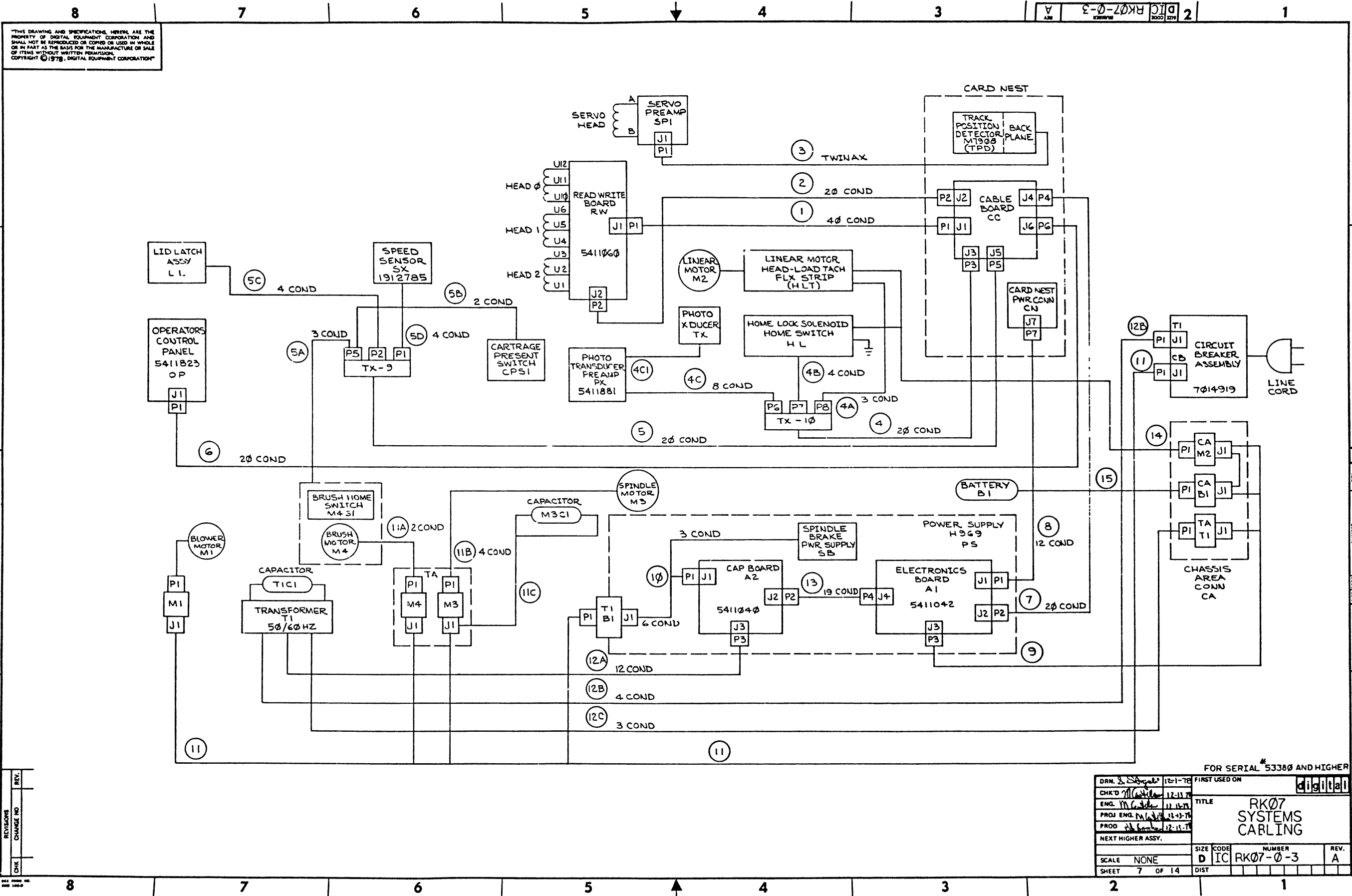
CIRCUIT BREAKER  
ASSY



| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

FOR 50,000 TO 53,379

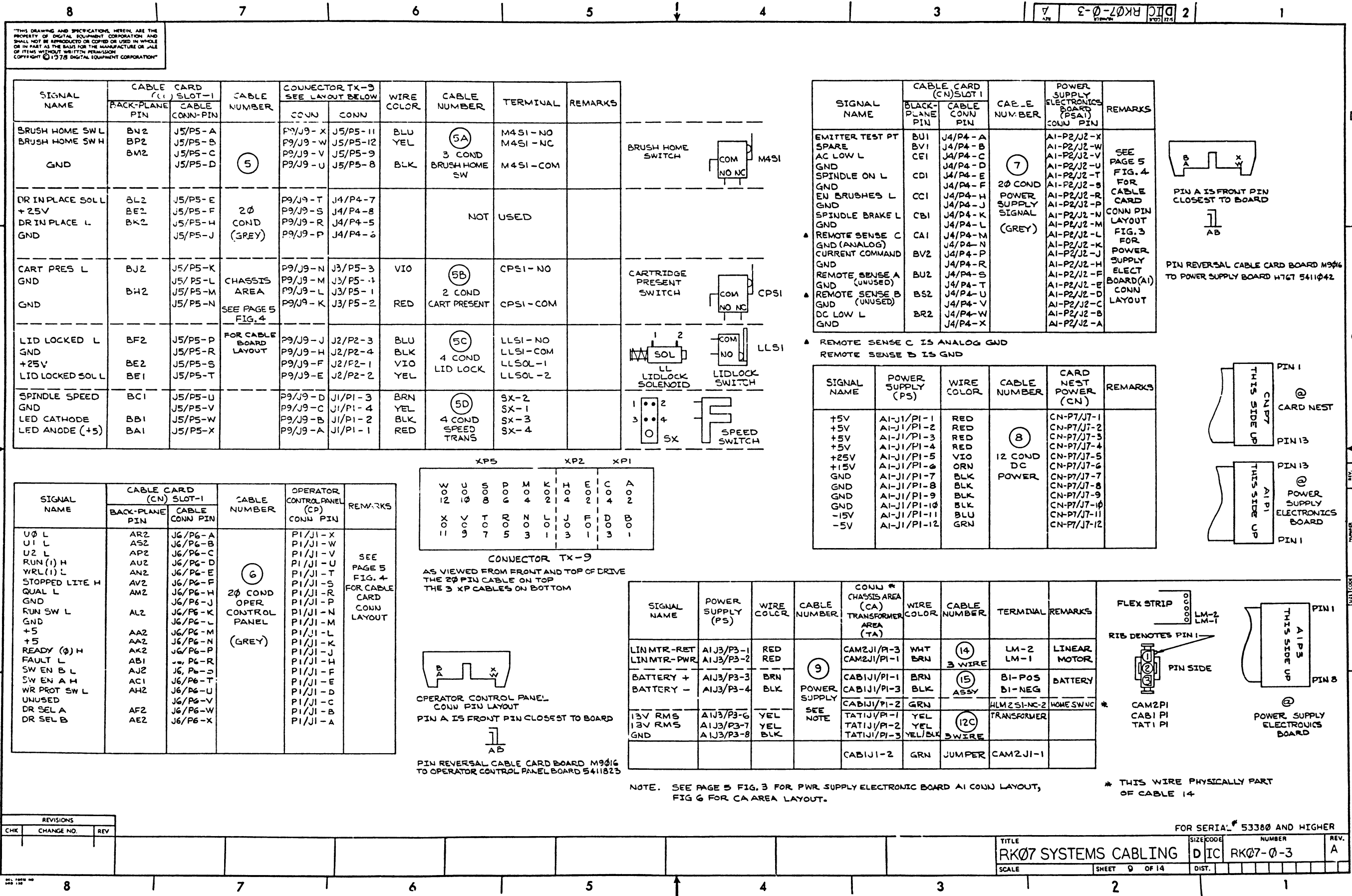
|       |  |                         |  |           |  |          |  |      |  |
|-------|--|-------------------------|--|-----------|--|----------|--|------|--|
| TITLE |  | RK07 SYSTEMS<br>CABLING |  | SIZE CODE |  | NUMBER   |  | REV. |  |
|       |  |                         |  | D IC      |  | RK07-0-3 |  | A    |  |
| SCALE |  | SHEET                   |  | DIST      |  |          |  |      |  |
| - / - |  | 6 OF 14                 |  |           |  |          |  |      |  |



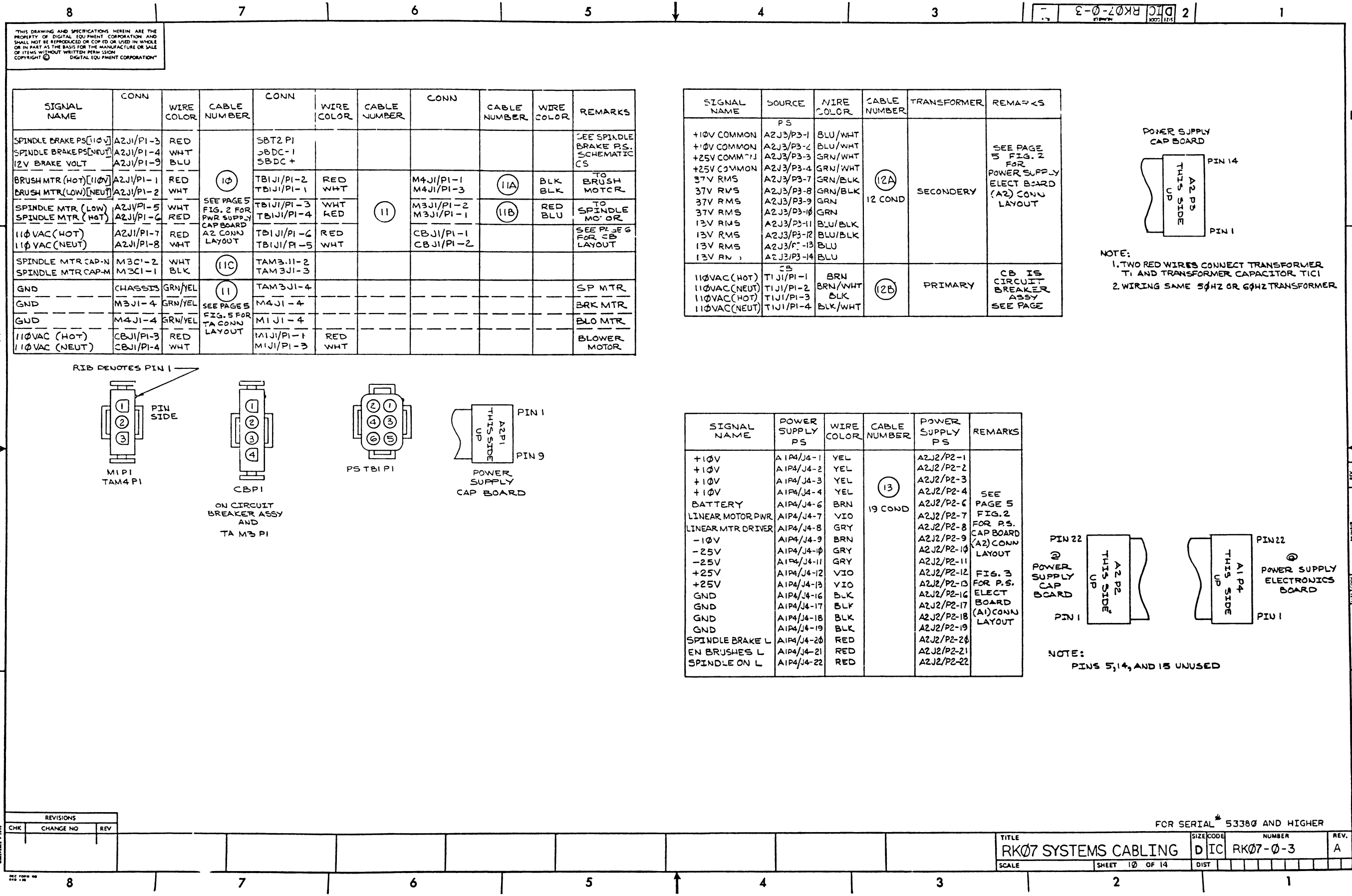
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION

|                                  |          |                                              |                |                        |               |
|----------------------------------|----------|----------------------------------------------|----------------|------------------------|---------------|
| *<br>FOR SERIAL 53380 AND HIGHER |          |                                              |                |                        |               |
| DRN. <i>J. S. G.</i>             | 12-1-78  | FIRST USED ON                                | <b>digital</b> |                        |               |
| CHK'D <i>M. C. G.</i>            | 12-11-78 | TITLE<br><b>RK07<br/>SYSTEMS<br/>CARLING</b> |                |                        |               |
| ENG. <i>M. C. G.</i>             | 12-11-78 |                                              |                |                        |               |
| PROJ. ENG. <i>M. C. G.</i>       | 12-11-78 |                                              |                |                        |               |
| PROD. <i>M. C. G.</i>            | 12-11-78 |                                              |                |                        |               |
| NEXT HIGHER ASSY.                |          |                                              |                |                        |               |
| SCALE <b>NONE</b>                |          | SIZE <b>D</b>                                | CODE <b>IC</b> | NUMBER <b>RK07-0-3</b> | REV. <b>A</b> |
| SHEET <b>7 OF 14</b>             |          | DIST                                         |                |                        |               |





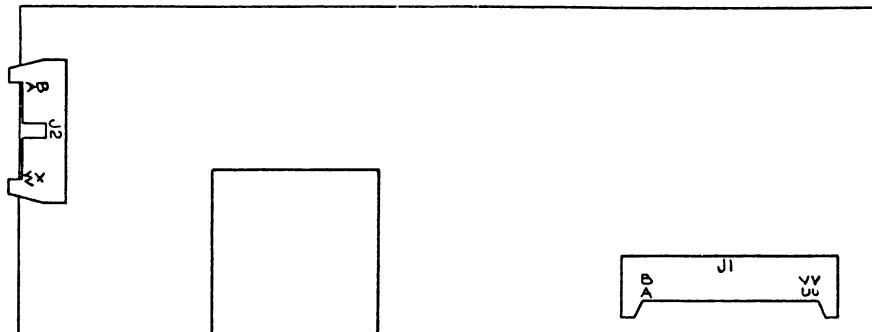




THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION

11/11/78  
D I C  
RK07-0-3  
2

FIG. 1

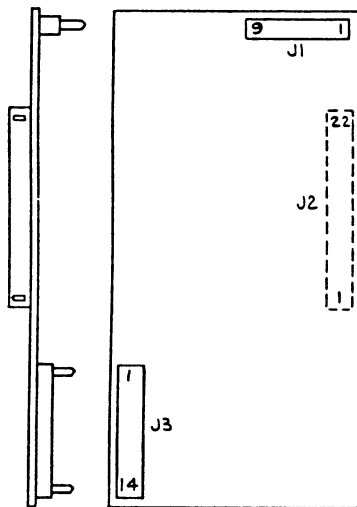


R/W BOARD CONNECTOR LABELING

NOTE: PIN A FRONT PIN, CLOSEST TO BOARD

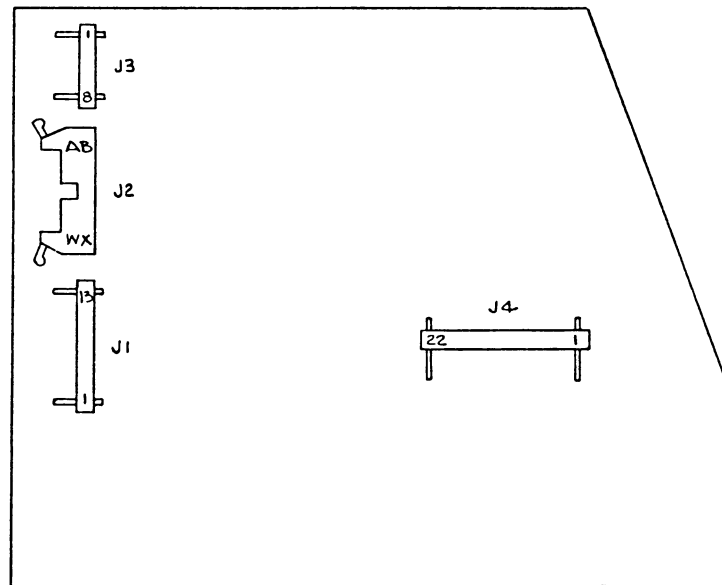
AB

FIG. 2



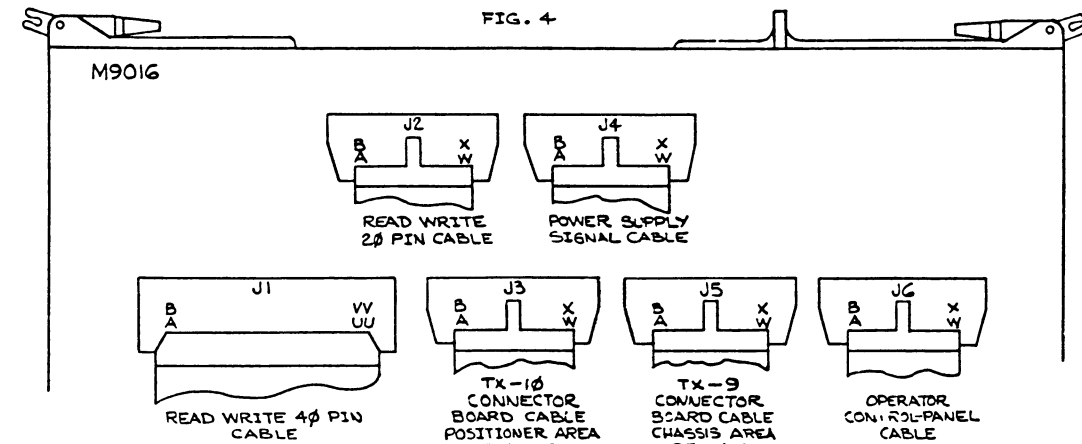
POWER SUPPLY  
CAP BOARD  
A2

FIG. 3



H767 POWER SUPPLY BOARD  
A1

FIG. 4



NOTE: PIN A FRONT PIN, CLOSEST TO BOARD

AB

FIG. 5

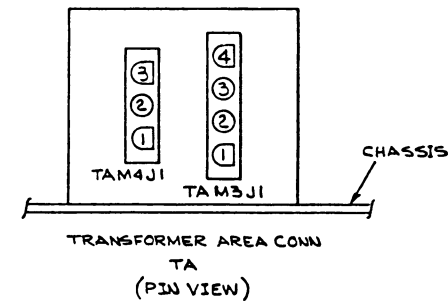
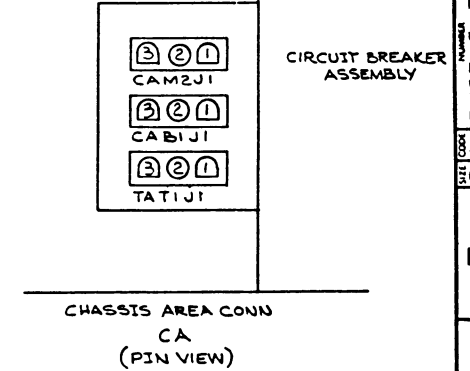


FIG. 6



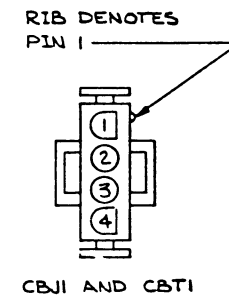
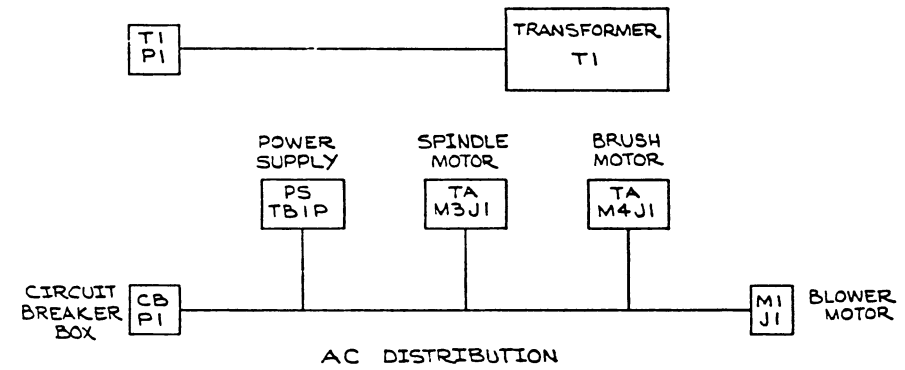
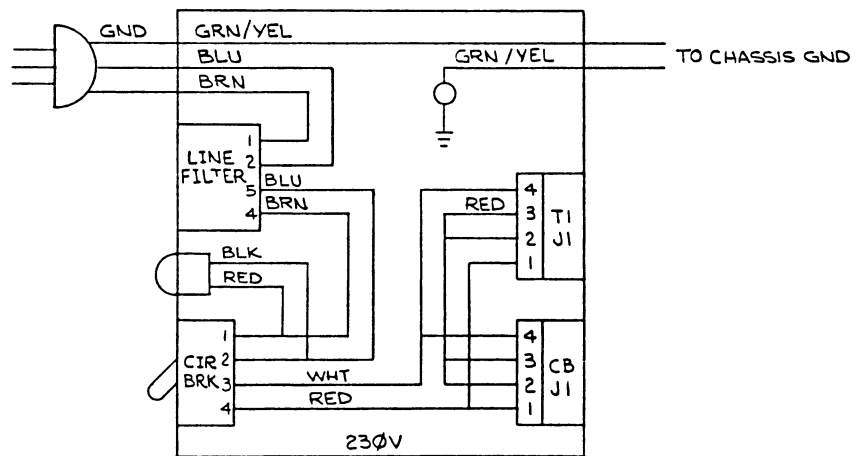
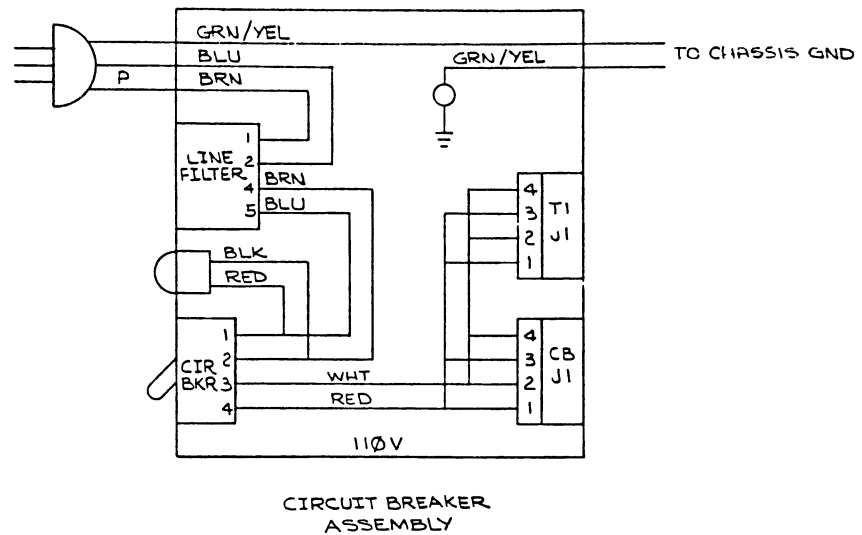
CIRCUIT BREAKER  
ASSEMBLY

FOR SERIAL \*53380 AND HIGHER

| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

| TITLE                |                | SIZE CODE | NUMBER   | REV. |
|----------------------|----------------|-----------|----------|------|
| RK07 SYSTEMS CABLING |                | D I C     | RK07-0-3 | A    |
| SCALE                | SHEET 11 OF 14 | DIST      |          |      |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1970 DIGITAL EQUIPMENT CORPORATION



| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

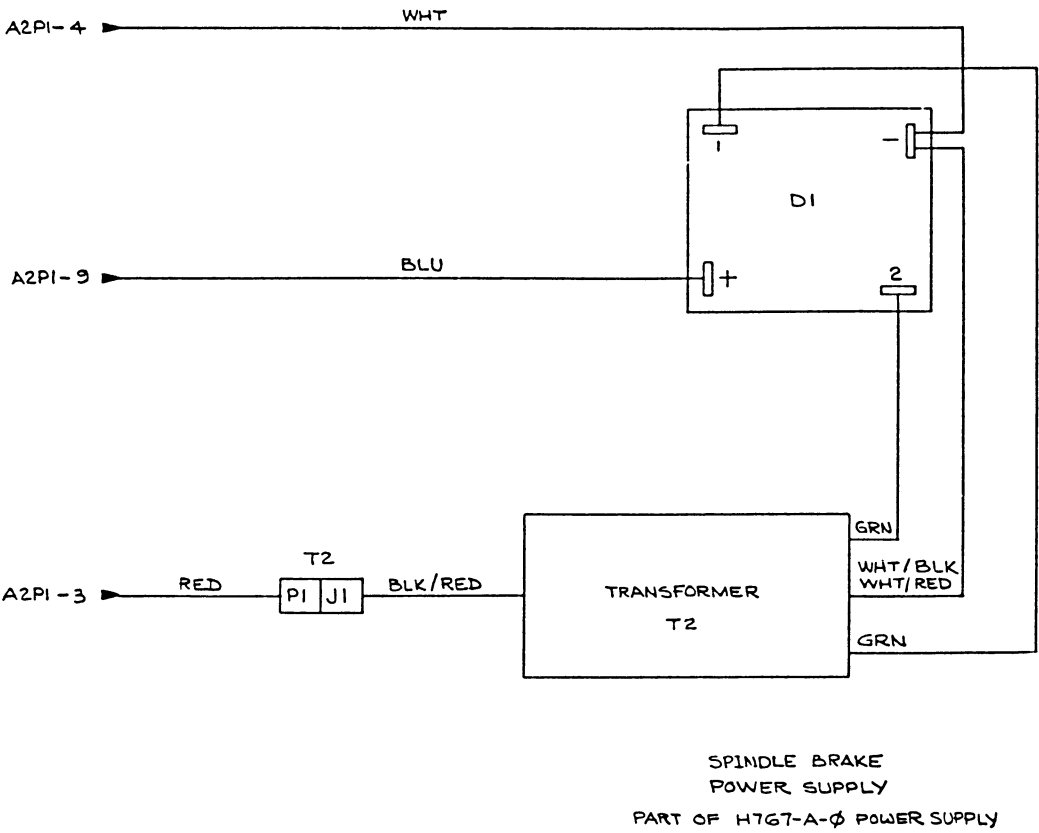
FOR SERIAL \* 53380 AND HIGHER

| TITLE                |                | SIZE CODE | NUMBER   | REV. |
|----------------------|----------------|-----------|----------|------|
| RK07 SYSTEMS CABLING |                | DIC       | RK07-0-3 | A    |
| SCALE                | SHEET 12 OF 14 | DIST      |          |      |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION

7 3-0-7-088 D I C RK07-0-3 2

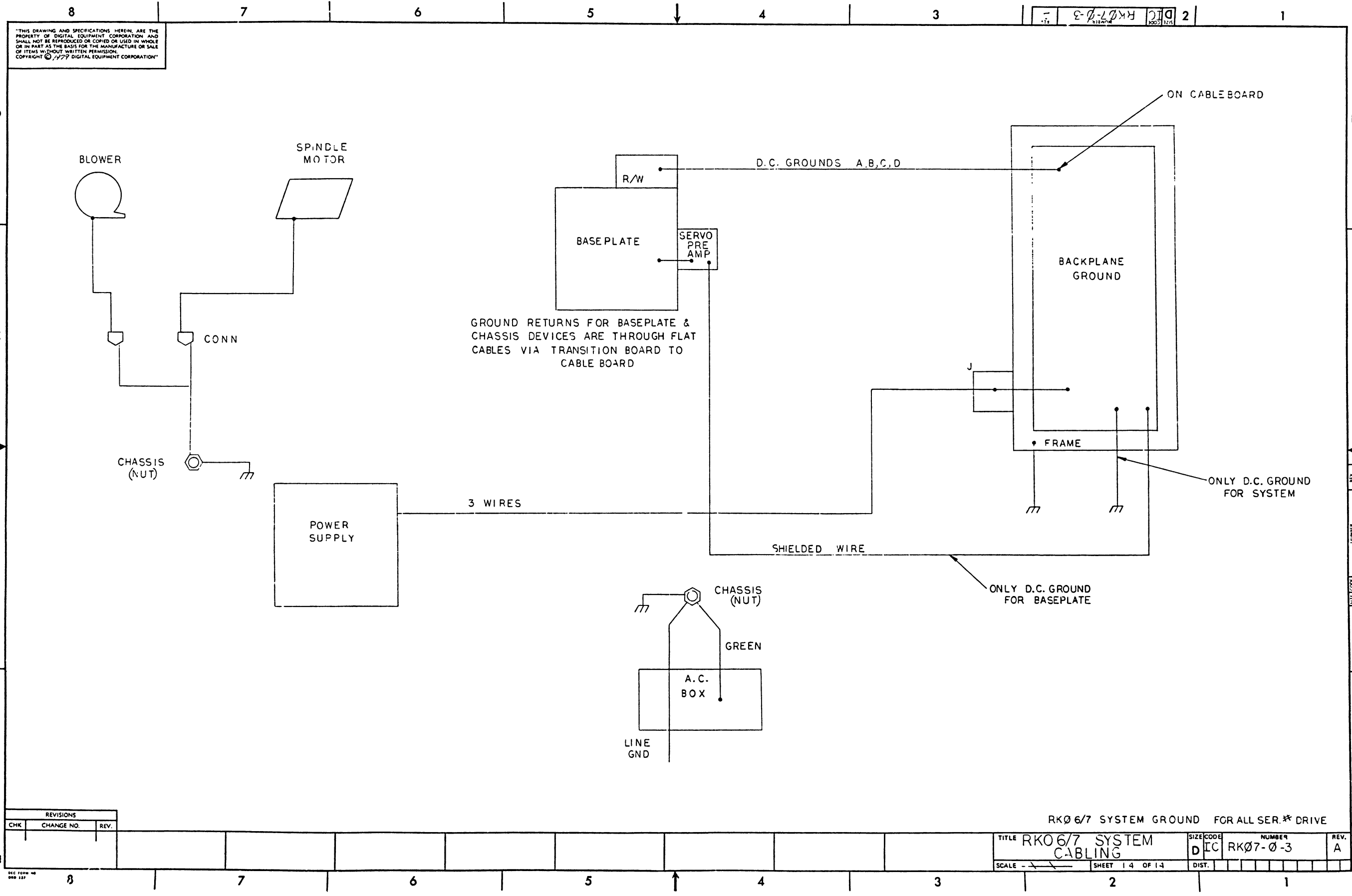
A2PI IS ON CAP BOARD

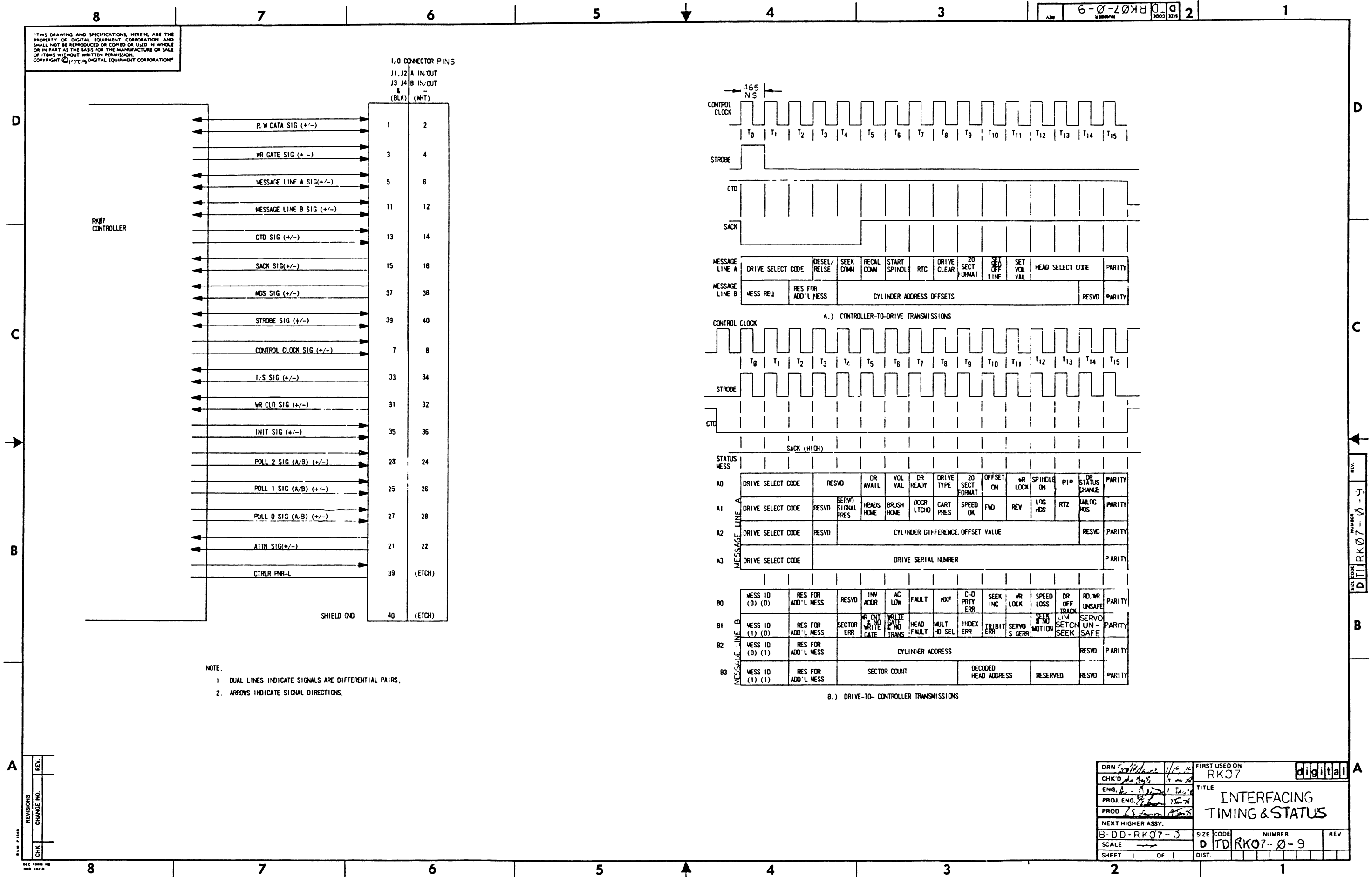


| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |

FOR SERIAL \* 53380 AND HIGHER

| TITLE                |  | SIZE           | CODE | NUMBER   |  | REV. |
|----------------------|--|----------------|------|----------|--|------|
| RK07 SYSTEMS CABLING |  | D              | I C  | RK07-0-3 |  | A    |
| SCALE                |  | SHEET 13 OF 14 |      | DIST     |  |      |





D



**B**

**A**

**A**

|   |      |      |           |     |
|---|------|------|-----------|-----|
| B | SIZE | CODE | NUMBER    | REV |
|   | C    | BD   | BK07-0-10 |     |





(FROM SHEET 1)  
10. MISC. FLOW

(FROM SHEET 5)  
RECALL COMMAND

(FROM THIS SHEET)

(FROM SHEET 5)  
SET MEDIUM OFF LINE

RELEASE RUN /STOP  
SWITCH



C

**AFV**

B

A

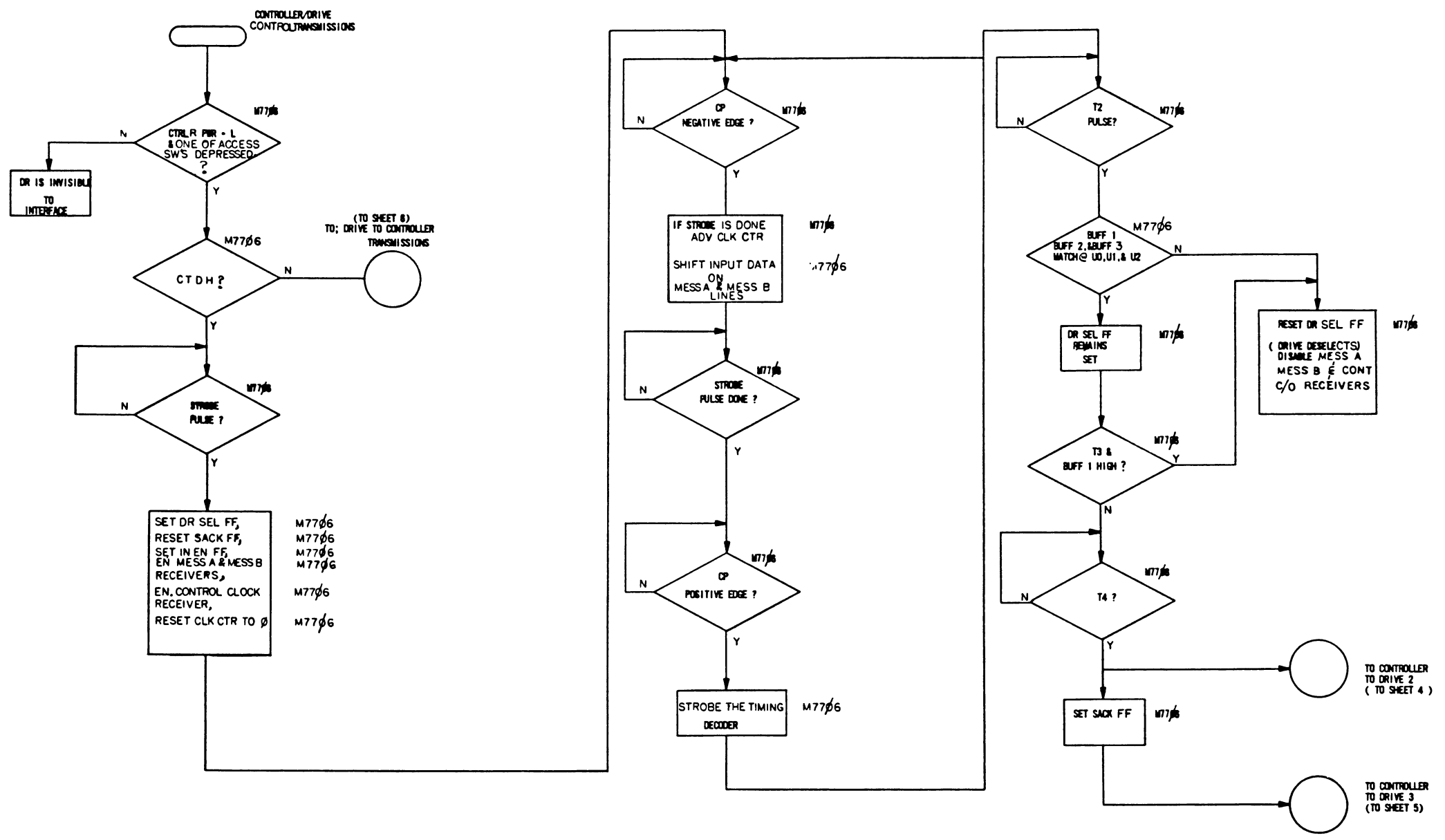
DISC FORM NO. 8  
DMS 1.37

| SIZE | CODE | NUMBER     |
|------|------|------------|
| D    | FD   | RKØE/7-Ø-2 |

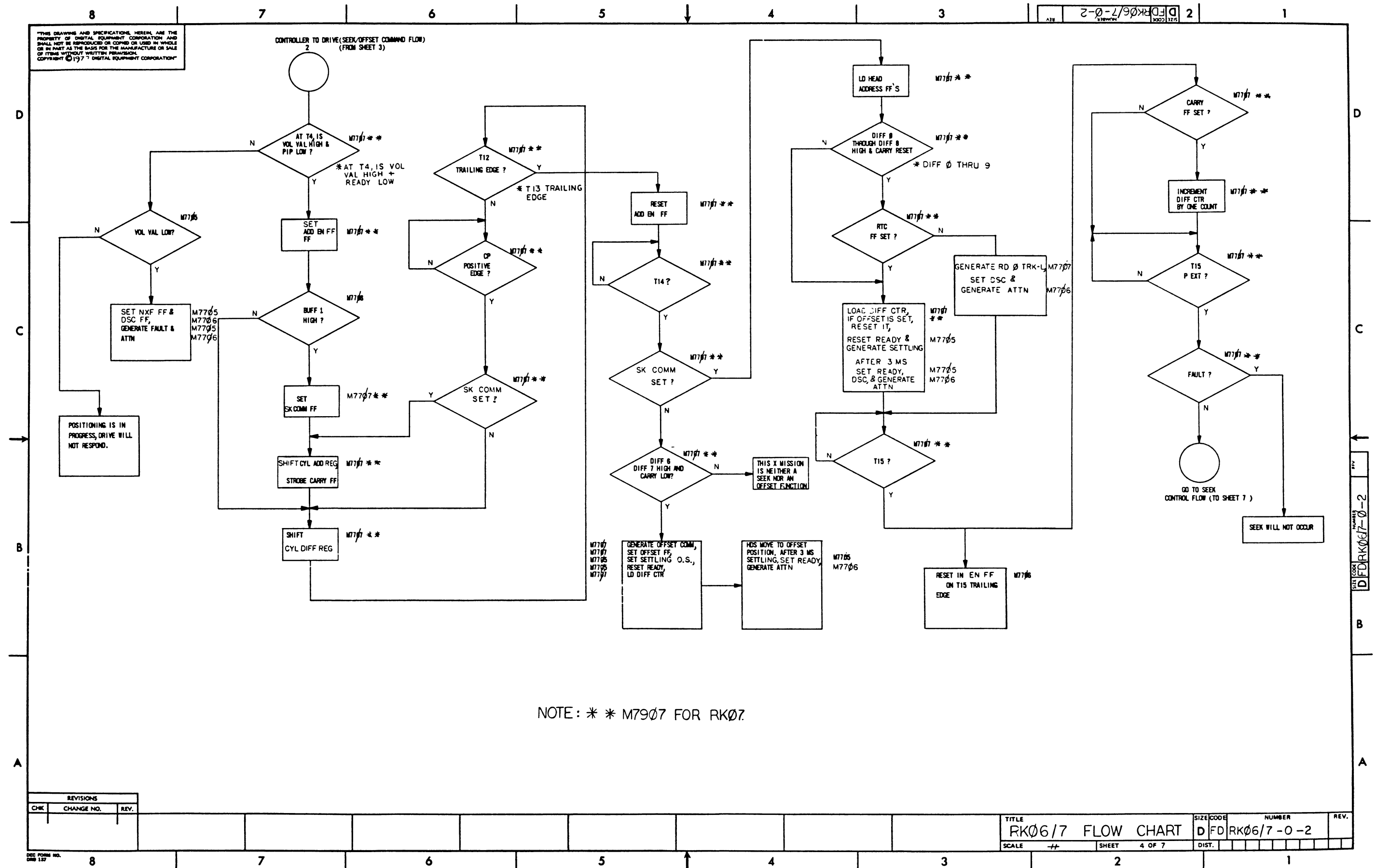
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| DIST. |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|

|     |  |
|-----|--|
| REV |  |
|-----|--|

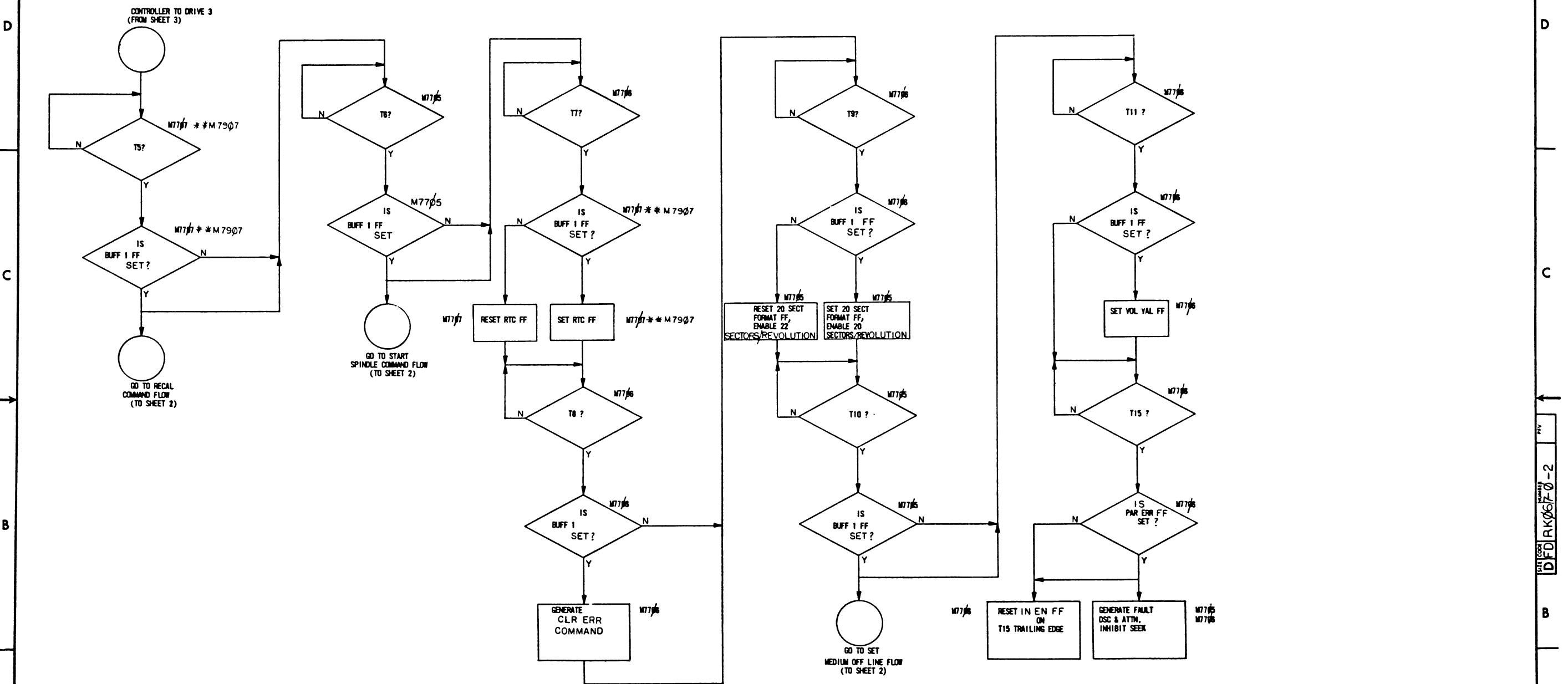
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1971 DIGITAL EQUIPMENT CORPORATION"



| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |
|           |            |      |



THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

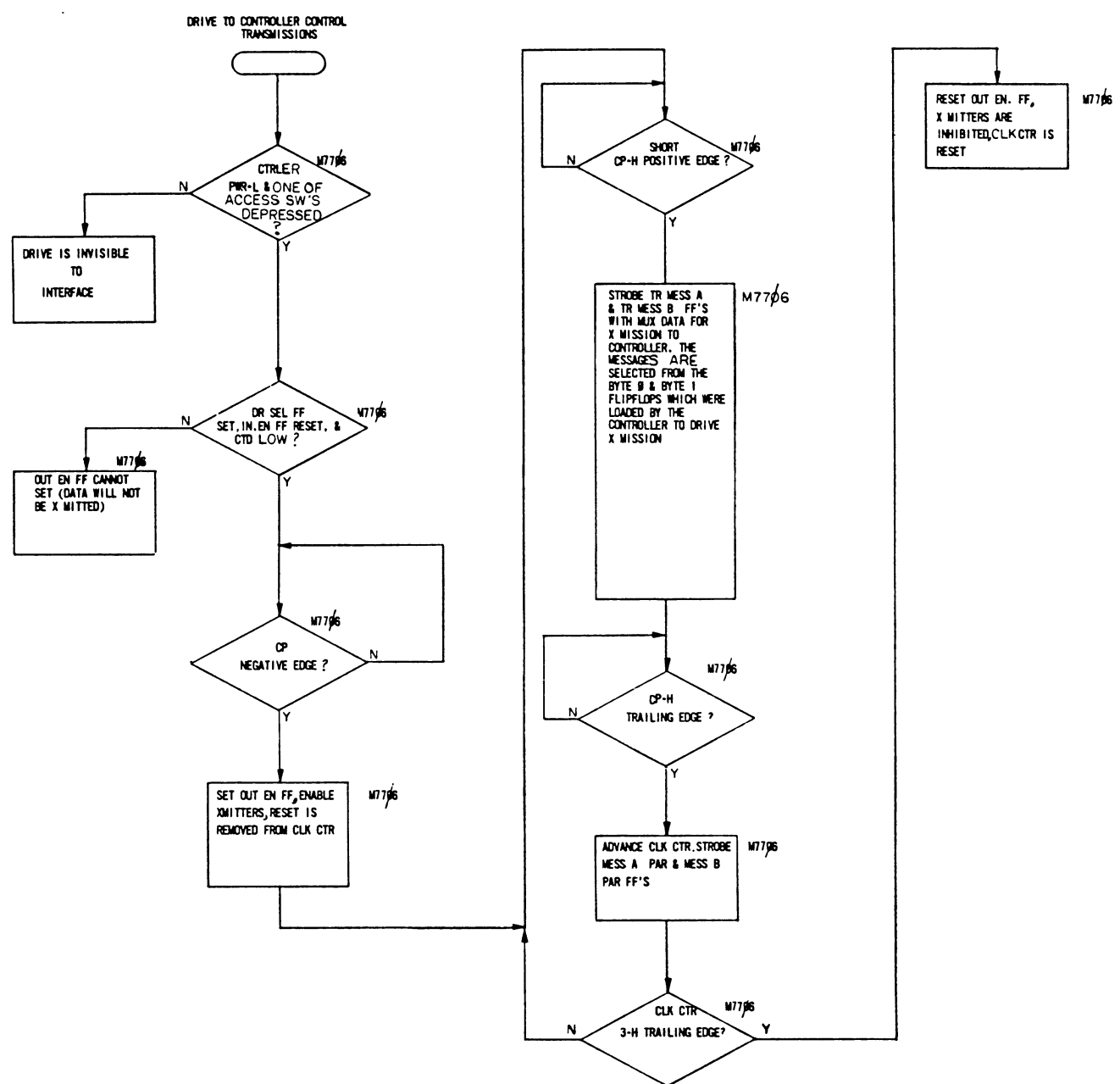


| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |

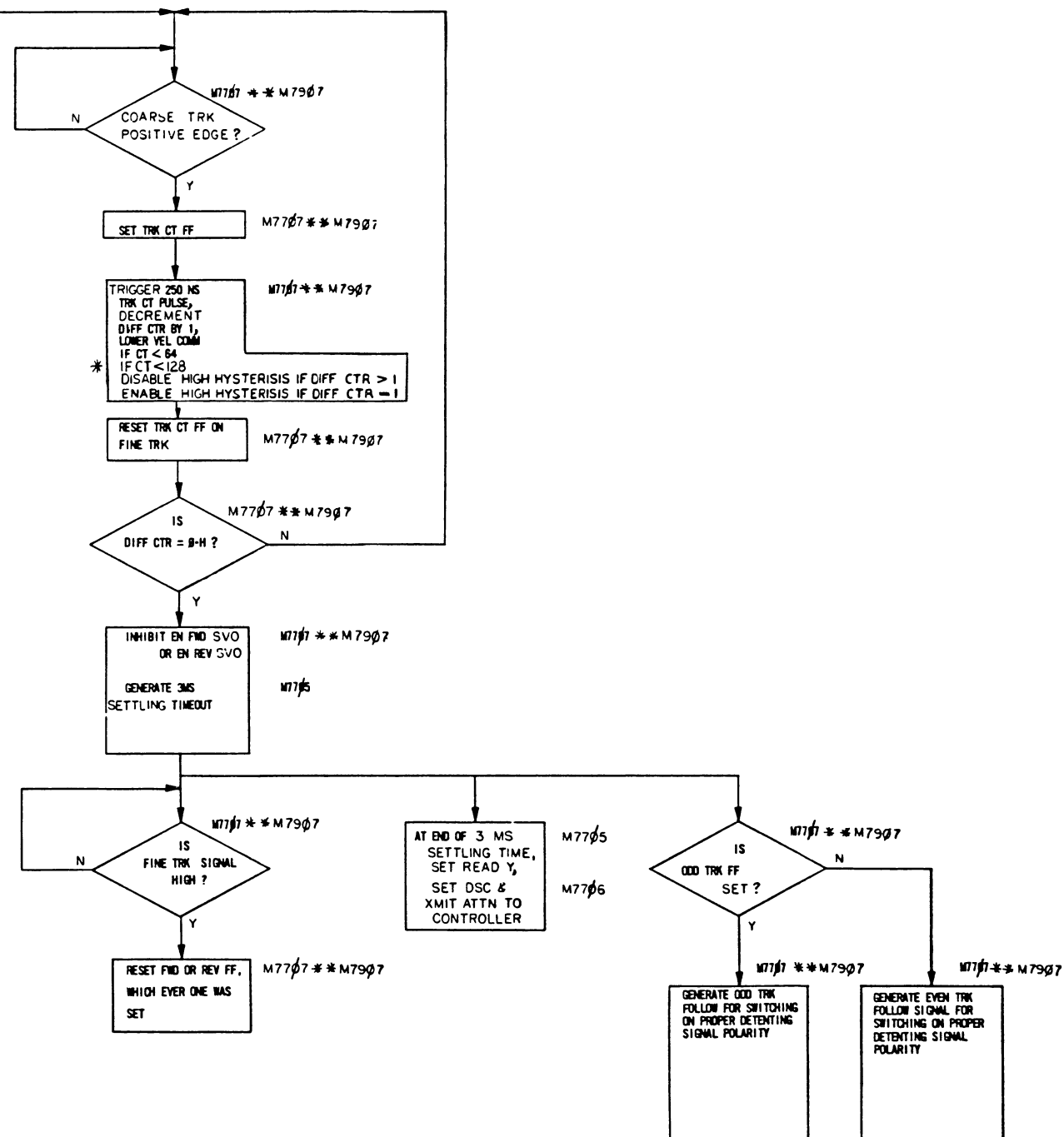
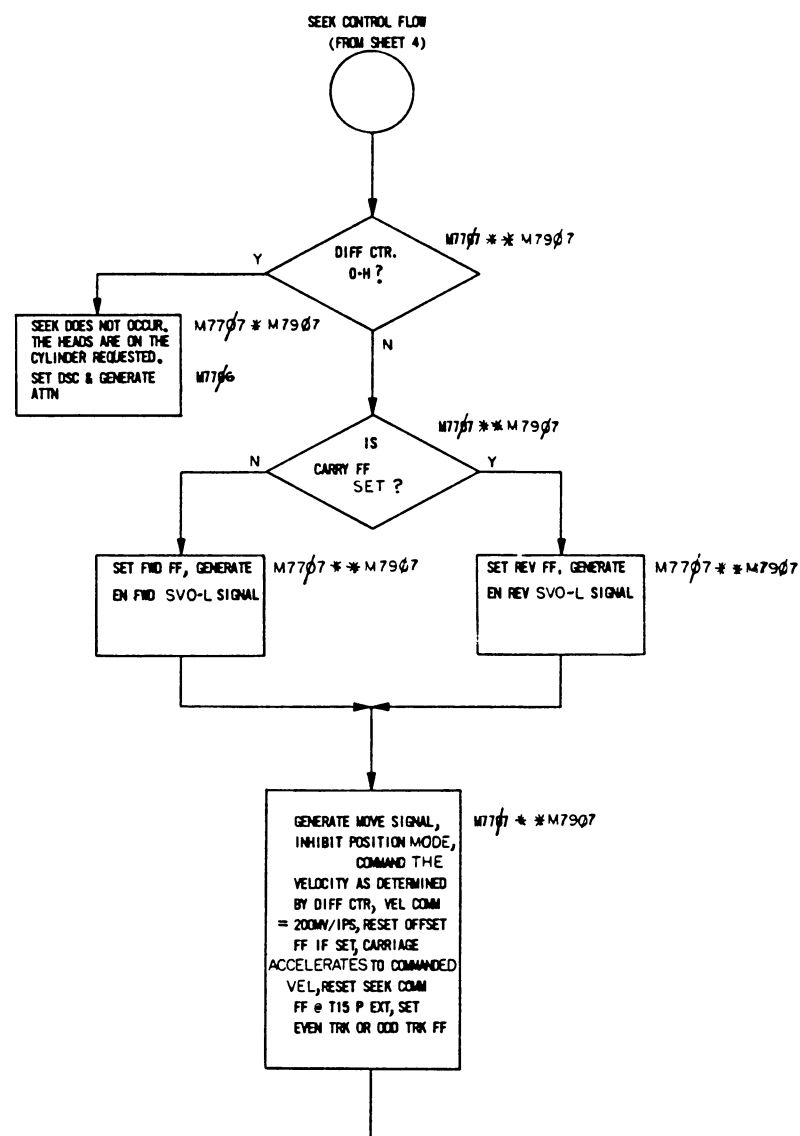
FORM NO. 127

|                   |    |           |            |       |
|-------------------|----|-----------|------------|-------|
| TITLE             |    | SIZE CODE | NUMBER     | REV.  |
| RK06/7 FLOW CHART |    | D FD      | RK06/7-0-2 |       |
| SCALE             | ++ | SHEET     | 5 OF 7     | DIST. |

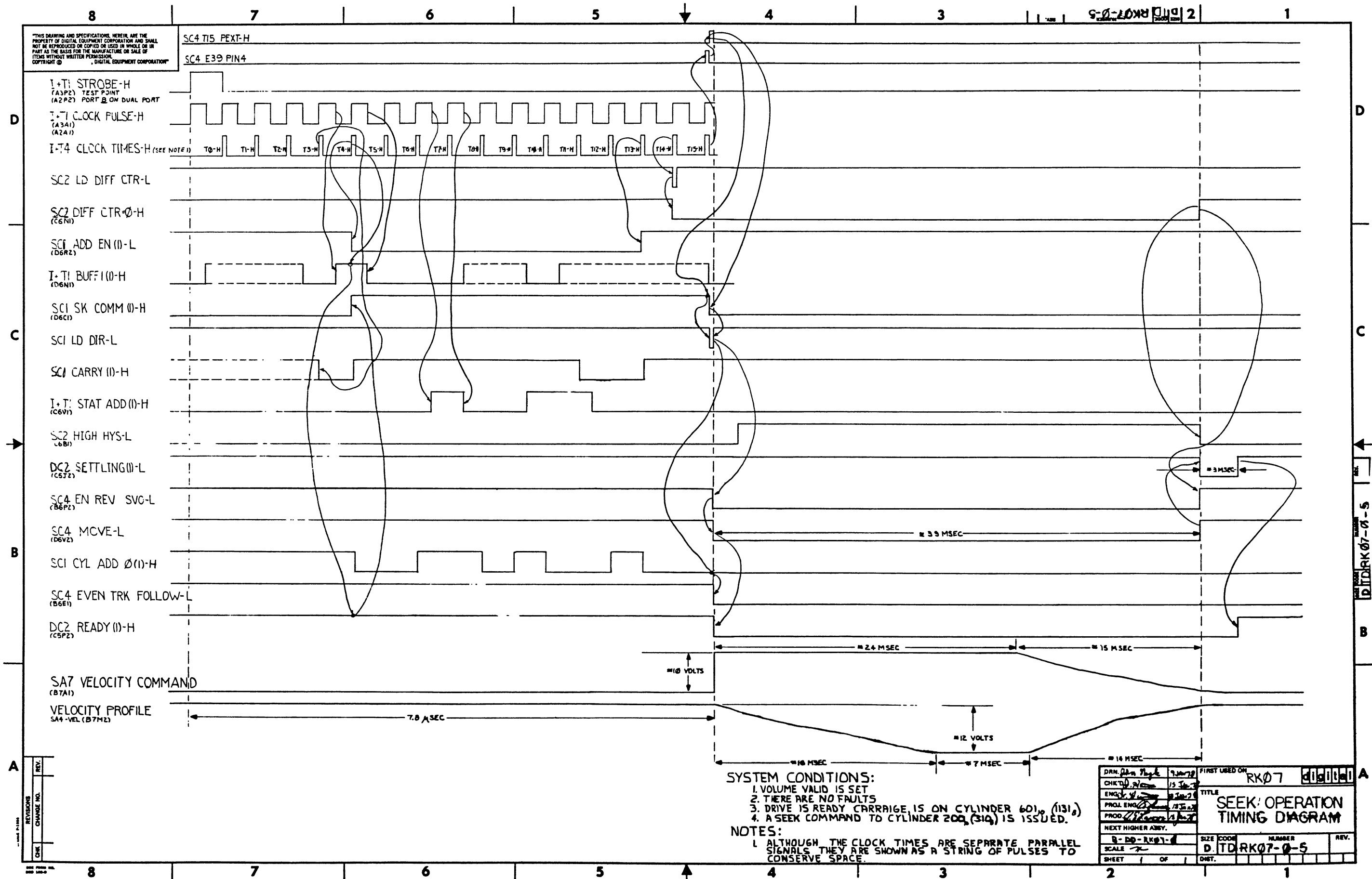
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"

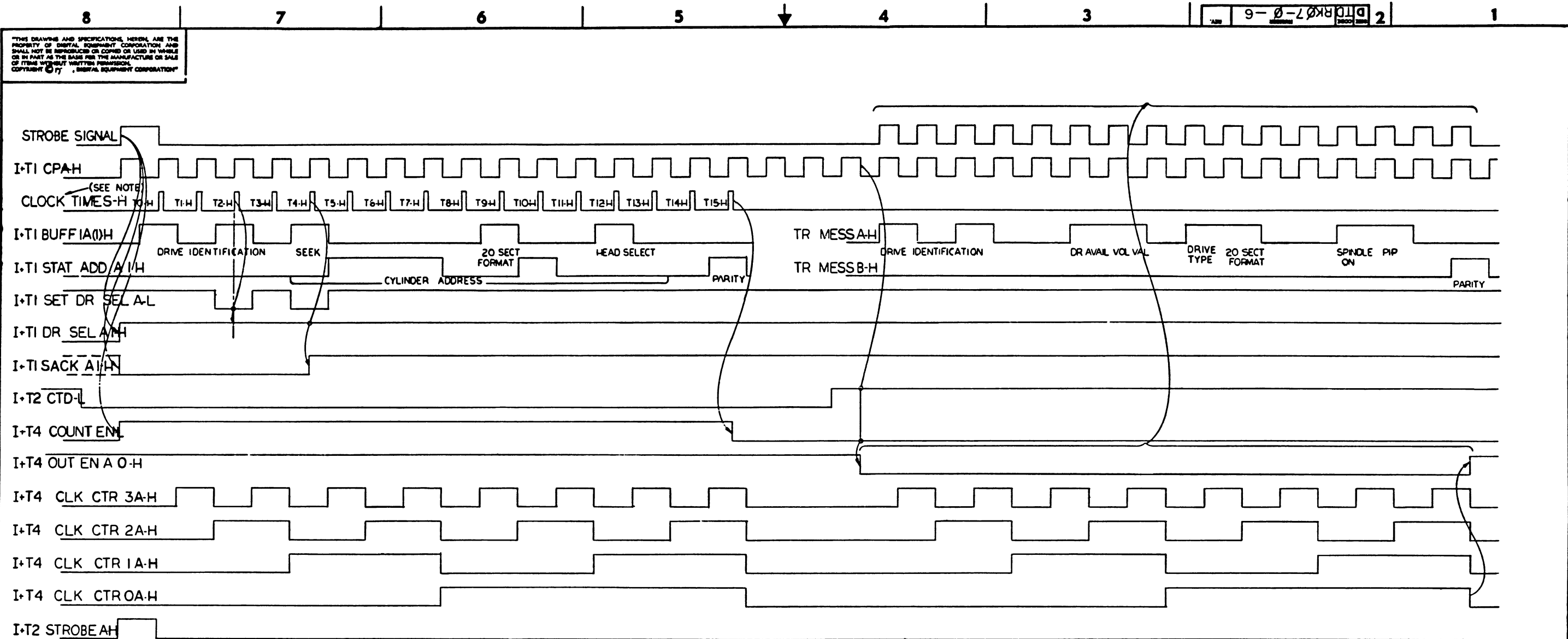


| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |



| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |





#### SYSTEM CONDITIONS.

1. FRONT PANEL PORT ENABLE SWITCH IS DEPRESSED
2. DC VOLTAGES IN DRIVE ARE O.K.
3. VOLTAGES IN CONTROLLER ARE O.K.

#### NOTE. DURING THE CONTROLLER TO DRIVE TRANSMISSION

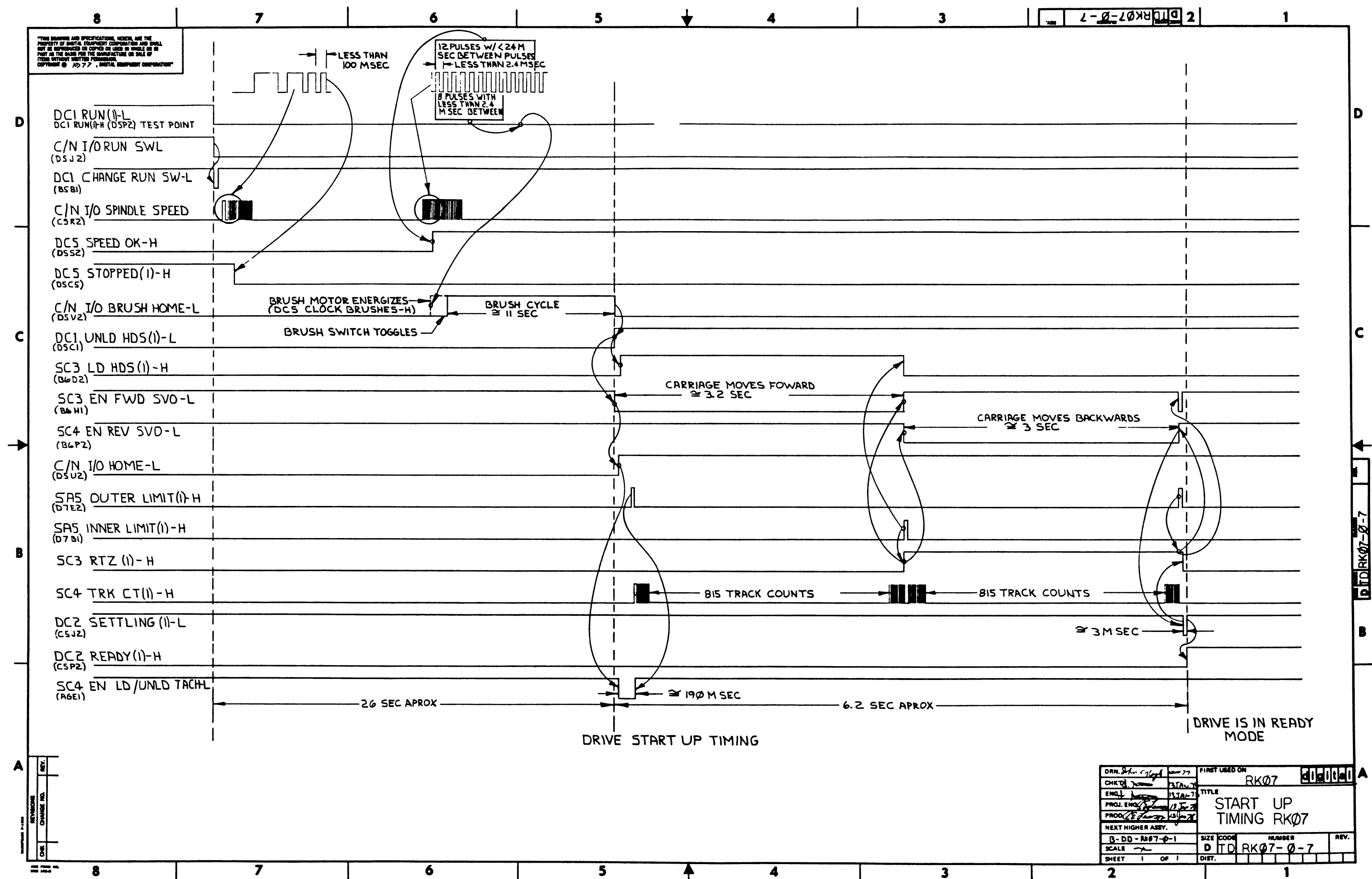
1. DRIVE NUMBER 5 IS SELECTED
2. A SEEK COMMAND TO CYLINDER 78 IS ISSUED.
3. FORMAT IS SET TO 20 SECTORS.
4. HEAD NUMBER 1 HAS BEEN SELECTED
5. ALTHOUGH THE CLOCK TIMES ARE SEPARATE SIGNALS THEY ARE SHOWN SERIALLY TO SAVE SPACE.

#### DURING THE DRIVE TO CONTROLLER TRANSMISSION

1. THE DRIVE IDENTIFIES ITSELF
2. TELLS CONTROLLER:
  - DRIVE IS AVAILABLE
  - FORMAT IS SET TO 20 SECTORS
  - VOLUME VALID IS SET
  - SPINDLE IS ON.
  - THERE IS A SEEK IN PROGRESS

|                         |           |                              |                  |
|-------------------------|-----------|------------------------------|------------------|
| DRN: <i>B-00-RK07-0</i> | 2 Jan 78  | FIRST USED ON                | RK07             |
| CHK: <i>[Signature]</i> | 12 Jan 78 | TITLE                        | INTERFACE TIMING |
| ENG: <i>[Signature]</i> | 12 Jan 78 | PROJ. EN: <i>[Signature]</i> | 5 Jan 78         |
| PROJ. 15 Jan 78         | 15 Jan 78 | NEXT HIGHER ASBY.            |                  |
| B-00-RK07-0             |           | SIZE CODE                    | D                |
| SCALE                   |           | NUMBER                       | RK07-0-6         |
| SHEET 1 OF 1            |           | DIST.                        |                  |





THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION

DC1 RUN(I)-L

CN I/O RUN SW-L

DC1 CHANGE RUN SW-L

C/N I/O SPINDLE SPEED

DC5 SPEED OK-H

DC-5 STOPPED(I)-H

DC5-SPINDLE BRAKE-L (SEE NOTE 1)

DC1 UNLD HDS(I)-L

SC4 EN LD/UNLD TACH-L

DC2 READY(I)-H

SC4 EN REV SVO-L

C/N I/O HOME-L

SA5 OUTER LIMIT(I)-H

SC4 TRK CT(I)-H

### SYSTEM CONDITIONS:

DRIVE READY, HEADS ON CYL. 512,  
RUN/STOP SWITCH IS RELEASED.

### NOTES:

- ALTHOUGH SIGNAL IS SHOWN AS ORDINARY LOGIC LEVEL, THE ACTUAL SIGNAL DOES NOT HAVE CLEARLY DEFINED ON/OFF LEVELS.

### DRIVE CYCLE DOWN TIMING

2 SEC APROX.

CARRIAGE STARTS MOVING BACKWARDS

28 SEC APROX.

CARRIAGE STOPS

MOTOR STOPS  
LID UNLOCKS

GREATER THAN  
2.4 MSEC  
BET PULSES

GREATER THAN  
100 14SEC BETWEEN  
PULSES

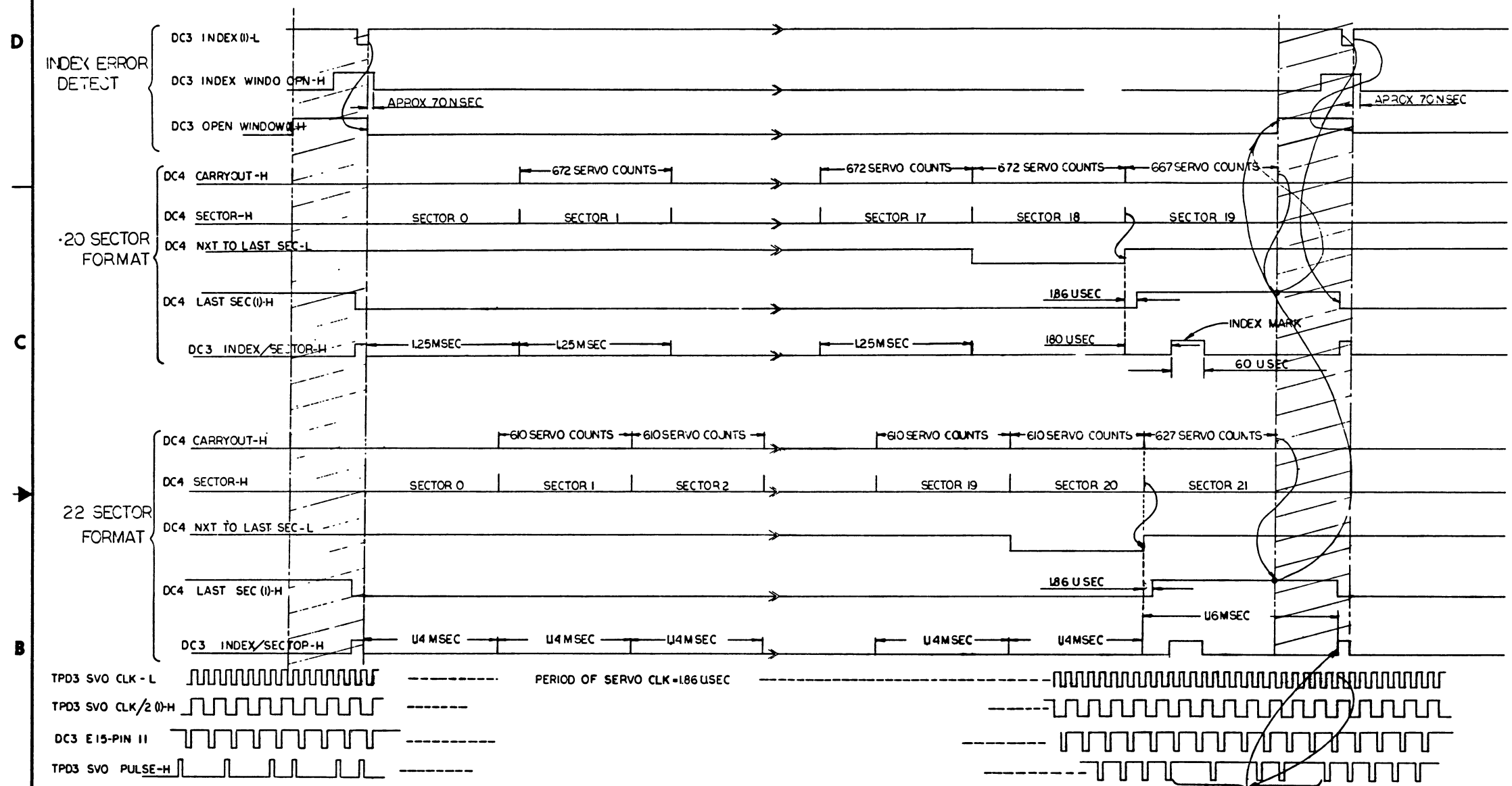
150 MSEC

512 TRACK COUNTS

|                               |           |               |                      |             |
|-------------------------------|-----------|---------------|----------------------|-------------|
| DRN <i>J. J. Kelly</i>        | 9 Jan 78  | FIRST USED ON | RK07                 | digital     |
| CHK'D <i>J. J. Kelly</i>      | 15 Jan 78 | TITLE         | CYCLE DOWN<br>TIMING |             |
| ENG. V. <i>J. J. Kelly</i>    | 15 Jan 78 | SIZE          | D                    | TD RK07-0-8 |
| PROJ. ENG. <i>J. J. Kelly</i> | 15 Jan 78 | NUMBER        | 1                    |             |
| PROD. <i>J. J. Kelly</i>      | 15 Jan 78 | REV.          |                      |             |
| NEXT HIGHER ASSY.             |           | SCALE         |                      |             |
| B-DD- RK07-0                  |           | SHEET         | 1                    | OF 1        |

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION"

**NOTES:**



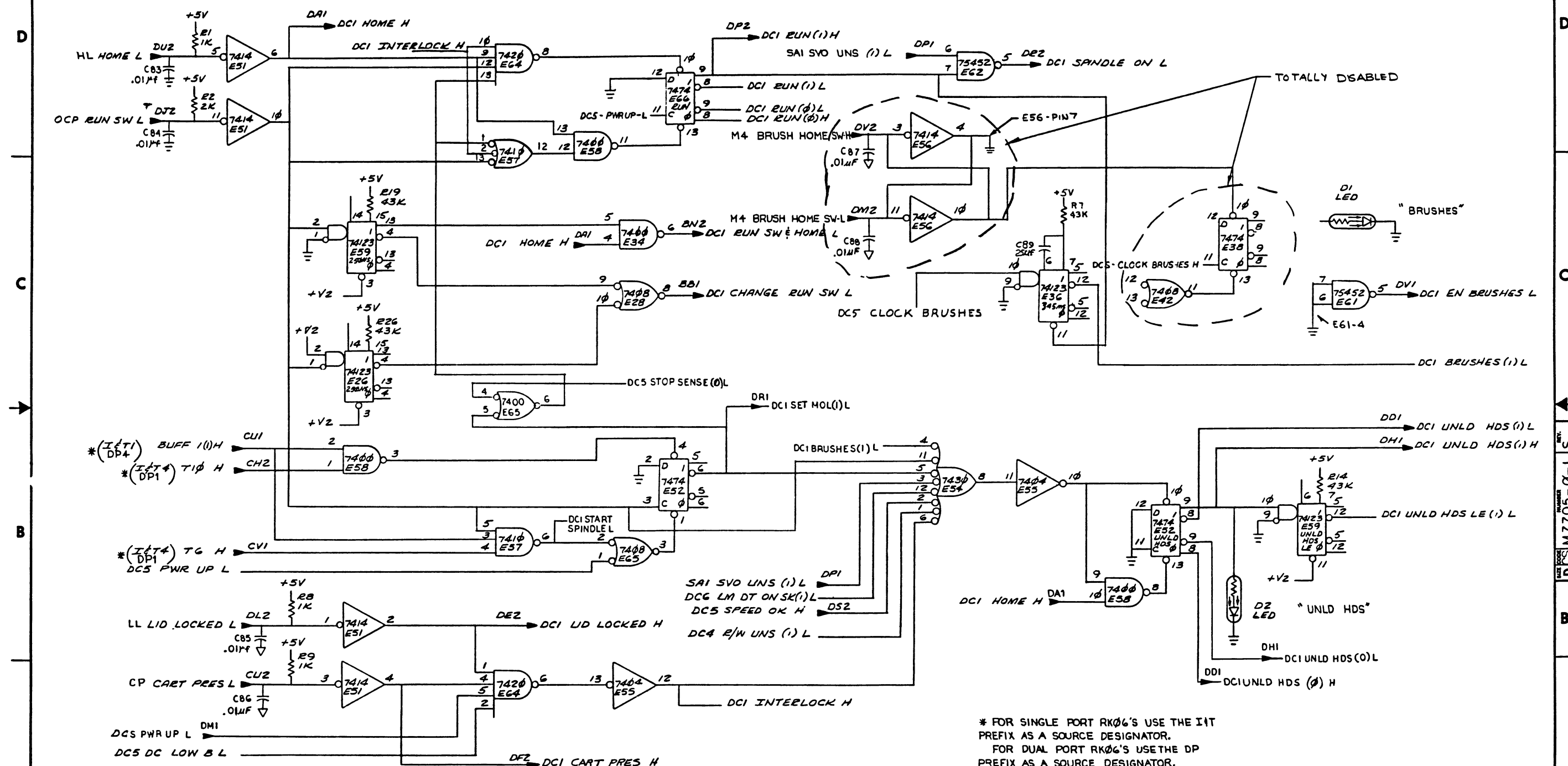
— SPECIFIC PATTERN (010110)  
OF MISSING TRIBITS ON SERVO SURFACE.

[illegible]

1. THE TIME SCALE OF THE SHADED AREA HAS BEEN EXPANDED OUT OF PROPORTION.
2. THE INDEX ERROR DETECT IS UTILIZED IN BOTH 20 AND 22 SECTOR FORMAT. THE NEXT TO LAST SECTOR PRELOAD ADJUSTS THE CARRYOUT AT THE END OF THE LAST SECTOR SUCH THAT OPEN WINDOW IS IN THE SAME PLACE REGARDLESS OF THE FORMAT.
3. SECTOR PULSE  $\phi$  IS 3.72 USEC WIDE. ALL OTHER SECTOR PULSES ARE 186 USEC WIDE.

[illegible]

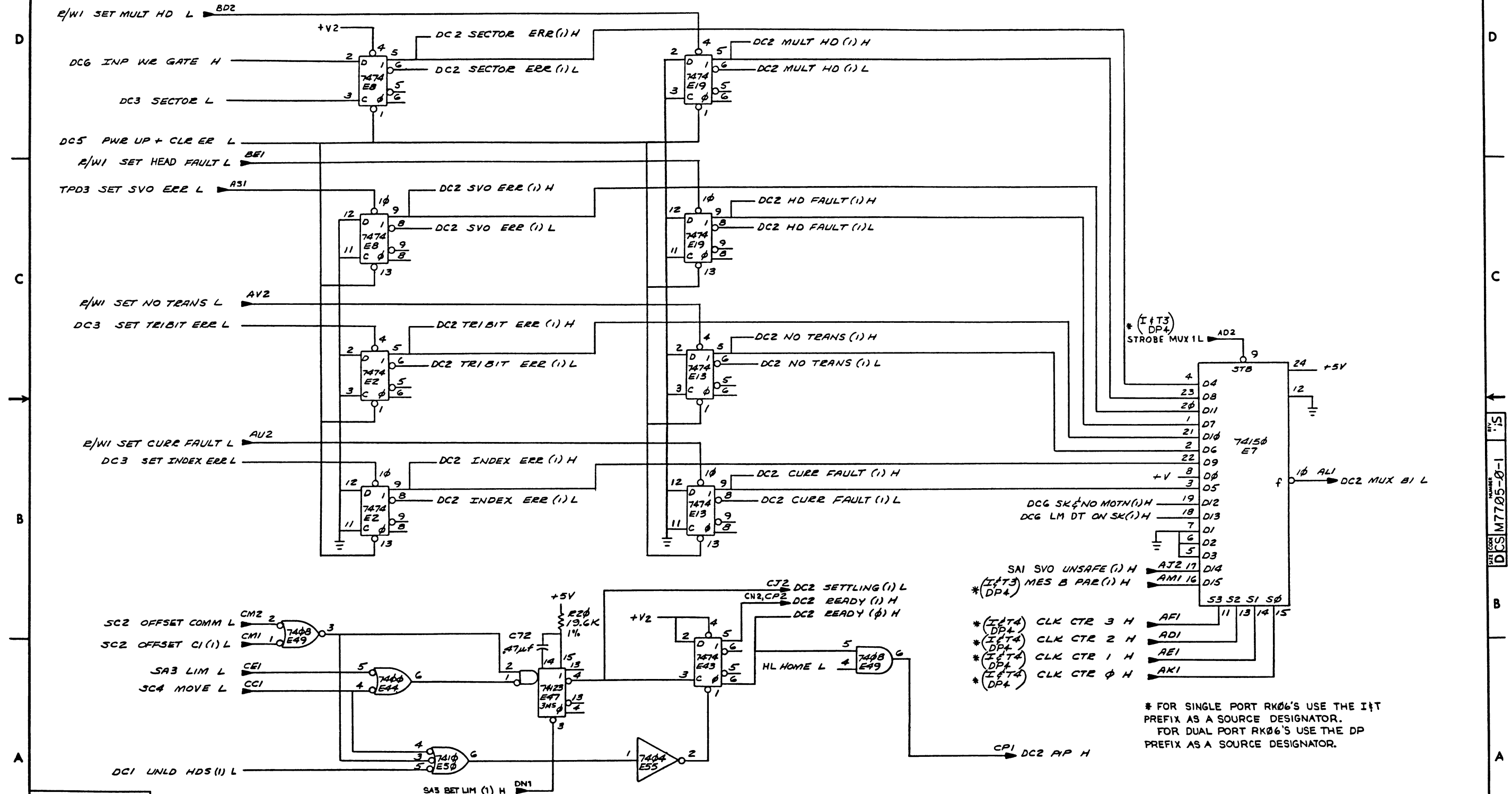
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION"



\* FOR SINGLE PORT RKØ6'S USE THE IT  
PREFIX AS A SOURCE DESIGNATOR.  
FOR DUAL PORT RKØ6'S USE THE DP  
PREFIX AS A SOURCE DESIGNATOR.

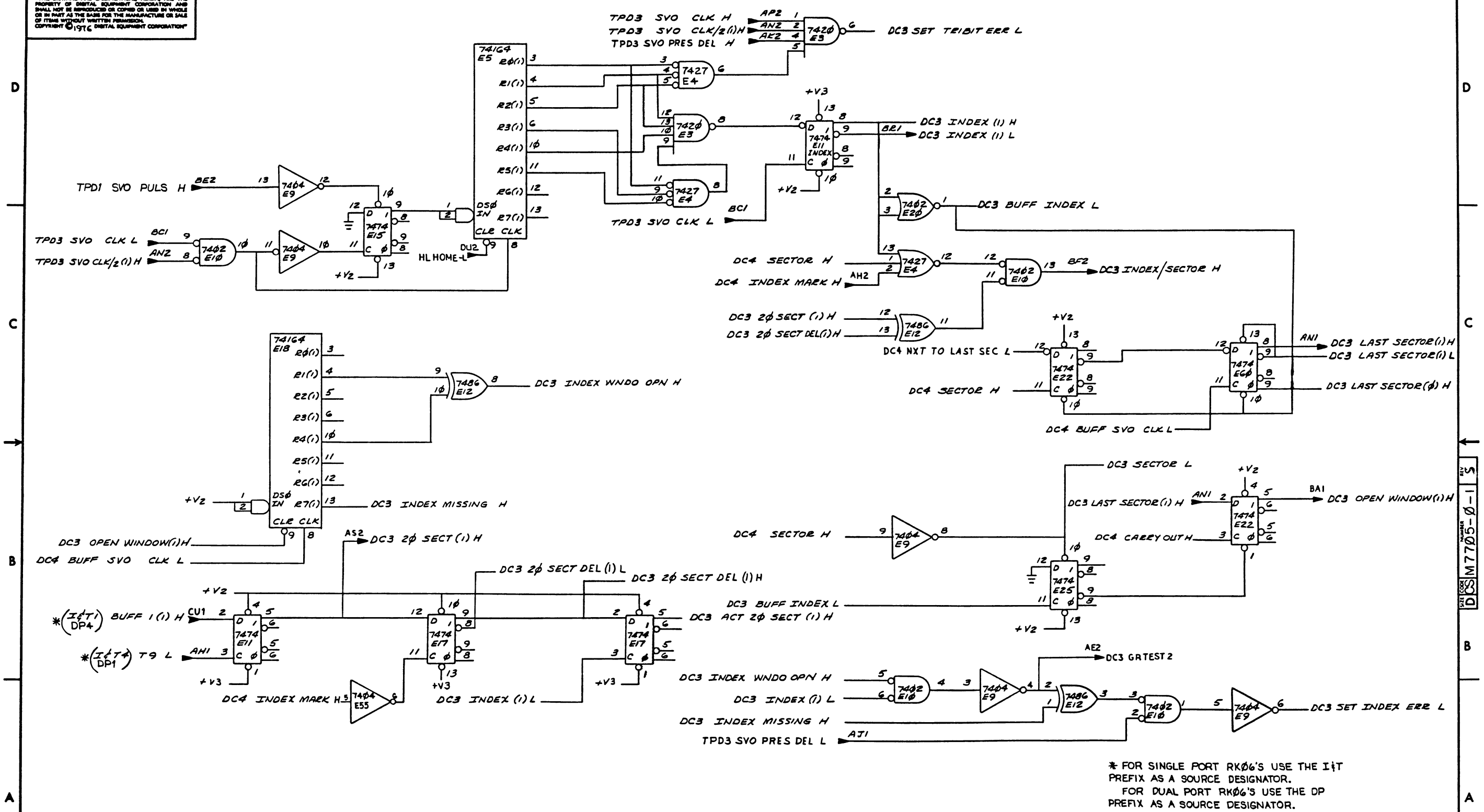
|                                   |                             |      |               |
|-----------------------------------|-----------------------------|------|---------------|
| DRN. <u>Rollins</u> <u>219176</u> | FIRST USED ON <u>219176</u> |      |               |
| CHK'D <u>10 MAR 72</u>            | RK06 <u>digital</u>         |      |               |
| ENG. <u>23 MAR 72</u>             | TITLE                       |      |               |
| PROJ. ENG. <u>23 MAR 72</u>       | DRIVE CONTROL               |      |               |
| PROD. <u>2-10-72</u>              | LOGIC (DCI)                 |      |               |
| NEXT HIGHER ASSY.                 |                             |      |               |
| D-UA-M7705-0-0                    | SIZE                        | CODE | NUMBER        |
| SCALE <u>1</u>                    | D                           | CS   | M7705-0-1     |
| SHEET <u>1</u> OF <u>2</u>        | DIST.                       |      | REV. <u>3</u> |

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION"



| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

THIS DRAWING AND SPECIFICATIONS HEREON ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION



\* FOR SINGLE PORT RKO'S USE THE IIT  
PREFIX AS A SOURCE DESIGNATOR.  
FOR DUAL PORT RKO'S USE THE DP  
PREFIX AS A SOURCE DESIGNATOR.

| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |

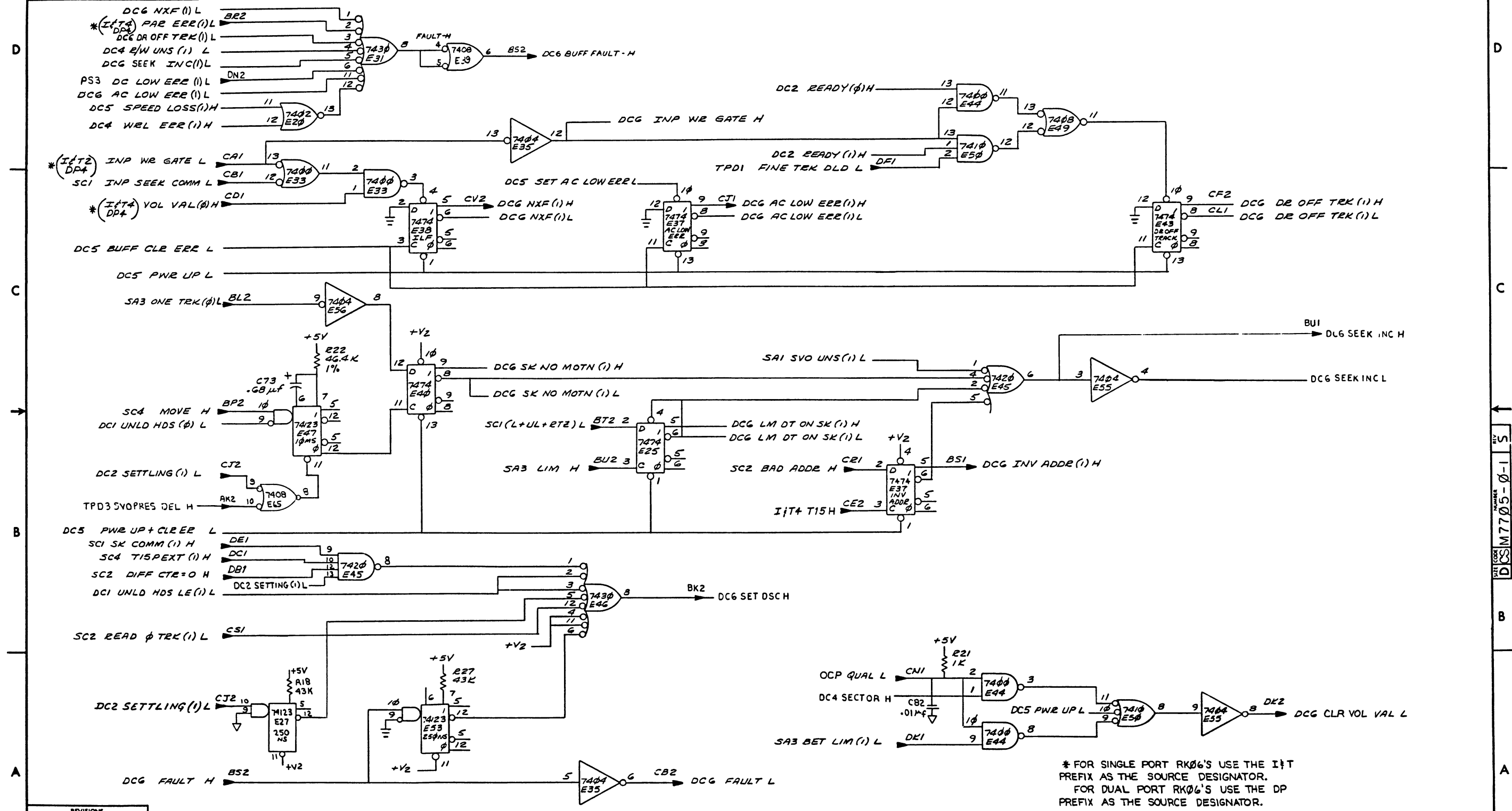
|                         |  |   |  |   |  |   |  |   |  |   |  |                                    |  |                  |                     |       |           |
|-------------------------|--|---|--|---|--|---|--|---|--|---|--|------------------------------------|--|------------------|---------------------|-------|-----------|
|                         |  |   |  |   |  |   |  |   |  |   |  | TITLE (DC3)<br>DRIVE CONTROL LOGIC |  | SIZE CODE<br>DCS | NUMBER<br>M7705-0-1 |       | REV.<br>S |
| 8                       |  | 7 |  | 6 |  | 5 |  | 4 |  | 3 |  | 2 ML2                              |  | 1                |                     |       |           |
| DDB FORM NO.<br>JMD 120 |  |   |  |   |  |   |  |   |  |   |  | SCALE <del>1/1</del>               |  | SHEET 3 OF 6     |                     | DIST. |           |



DDC FORM NO.  
DND 138



THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION



\* FOR SINGLE PORT RK06'S USE THE I/T  
PREFIX AS THE SOURCE DESIGNATOR.  
FOR DUAL PORT RK06'S USE THE DP  
PREFIX AS THE SOURCE DESIGNATOR.

| REVISIONS |           |     |  |  |  |  |  |  |  |  |  |  | TITLE                     |  | SIZE CODE |  | NUMBER    |  | REV. |  |
|-----------|-----------|-----|--|--|--|--|--|--|--|--|--|--|---------------------------|--|-----------|--|-----------|--|------|--|
| CHK       | CHANGE NO | REV |  |  |  |  |  |  |  |  |  |  | DRIVE CONTROL LOGIC (DC6) |  | D CS      |  | M7705-0-1 |  | 3    |  |
|           |           |     |  |  |  |  |  |  |  |  |  |  | SCALE                     |  | SHEET 6   |  | OF 6      |  |      |  |
|           |           |     |  |  |  |  |  |  |  |  |  |  |                           |  | ML2       |  |           |  |      |  |

AUTOMATED BY PRTLST.1D(5)

## P A R T S   L I S T

SHEET A1 OF A2

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                   | QTY | PER VARIATION | REFERENCE DESIGNATOR                                                                   |
|------|------|-----------------|-------------|-------------------------------|-----|---------------|----------------------------------------------------------------------------------------|
| 1    | 1    | D-CS-M7705-0-1  |             | DRIVE CONTROL LOGIC (C.S.)    | REF |               |                                                                                        |
| 2    | 2    | D-UA-M7705-0-0  |             | DRIVE CONTROL LOGIC           | REF |               |                                                                                        |
| 3    | 3    | B-MH-M7705-0-5  |             | MODULE ECO HISTORY            | REF |               |                                                                                        |
| 4    | 4    |                 | 5011260-00  | M7705                         | 1   |               |                                                                                        |
| 5    | 5    |                 | 1001610-00  | .01 MFD 50V +80-20% 25U CER   | 78  |               | C1-C66, C79-C90                                                                        |
| 6    | 6    |                 | 1010031-03  | .22 MFD 50V 10% M.POLYCARB    | 1   |               | C70                                                                                    |
| 7    | 7    |                 | 1005965-00  | .47 MFD 35V 10% S.TANT        | 1   |               | C72                                                                                    |
| 8    | 8    |                 | 1005306-00  | 6.8MFD 35V 10% S.TANT         | 1   |               | C68                                                                                    |
| 9    | 9    |                 | 1012084-01  | 8 MFD 25V +75-10% AL EL       | 4   |               | C75-C78                                                                                |
| 10   | 10   |                 | 1112689-00  | LED .8MCD@16MA VF=5V          | 3   |               | D1-D3                                                                                  |
| 11   | 11   |                 | 1300479-00  | 10.0 K .25 W 5.0 % CC         | 1   |               | R5                                                                                     |
| 12   | 12   |                 | 1301322-00  | 180.0 .25 W 5.0 % CC          | 1   |               | R4                                                                                     |
| 13   | 13   |                 | 1300295-00  | 330.0 .25 W 5.0 % CC          | 2   |               | R11, R28                                                                               |
| 14   | 14   |                 | 1300365-00  | 1.0 K .25 W 5.0 % CC          | 8   |               | R1, R8, R9, R10, R15, R21, R30, R31                                                    |
| 15   | 15   |                 | 1301401-00  | 750.0 .25 W 5.0 % CC          | 2   |               | R12, R29                                                                               |
| 16   | 16   |                 | 1304838-00  | 43.0 K .25 W 5.0 % CC         | 8   |               | R7, R14, R19, R18, R24-R27                                                             |
| 17   | 17   |                 | 1303311-00  | 46.40 K .25 W 1.0 % RN55D-F10 | 3   |               | R6, R13, R22                                                                           |
| 18   | 18   |                 | 1309143-10  | 10.0 K .75 W 10.0 % POT       | 1   |               | R17                                                                                    |
| 19   | 19   |                 | 1303156-00  | 34.80 K .25 W 1.0 % RN55D-F10 | 1   |               | R16                                                                                    |
| 20   | 20   |                 | 1309419-00  | 19.60 K .25 W 1.0 % RN55D-F10 | 1   |               | R20                                                                                    |
| 21   | 21   |                 | 1302388-00  | 2.0 K .25 W 5.0 % CC          | 2   |               | R2, R3                                                                                 |
| 22   | 22   |                 | 1905547-00  | 7474 FF-D DUAL, EDGE TRIGG    | 18  |               | E2, E8, E11, E13, E15, E17, E19, E21, E22, E25, E32, E37, E38, E40, E43, E52, E60, E66 |
| 23   | 23   |                 | 1905575-00  | 7400 NAND GATE-QUAD 2IN       | 4   | CONT          | E33, E34, E44, E58                                                                     |
| 24   | 24   |                 | 1905576-00  | 7410 NAND GATE-TRIPLE 3IN     | 3   | CONT          | E16, E50, E57                                                                          |
| 25   | 25   |                 | 1905577-00  | 7420 NAND GATE-DUAL 4INPU     | 3   |               | E3, E45, E64                                                                           |
| 26   | 26   |                 | 1905578-00  | 7430 NAND GATE-SINGLE 8IN     | 4   |               | E1, E31, E46, E54                                                                      |
| 27   | 27   |                 | 1909004-00  | DEC 7402 NOR GATE-QUAD 2IN    | 2   |               | E10, E20                                                                               |
| 28   | 28   |                 | 1909054-00  | 7493 COUNTER, ASYNCH UP, BI   | 1   |               | E48                                                                                    |

| REVISION HISTORY |             |     | BASIC PART NO: M7705    |                  |                | D I G I T A L        |               |  |
|------------------|-------------|-----|-------------------------|------------------|----------------|----------------------|---------------|--|
| ENG              | ECO NUMBER  | REV | SECTION A OF A          | DRN:             | L. METZGER     | DATE:                | 17-JAN-78     |  |
| W.H              | 00909       | M   | SECTION VARIATION INDEX | CHK'D:           | H. DARAKJIAN   | DATE:                | 17-JAN-78     |  |
| M.C              | M7705-MLO11 | N   | [A] 00                  | DES.ENG:         | R. LAWSON      | DATE:                | 17-JAN-78     |  |
| MC               | M7705-MLO13 | P   | [B]                     | RESP.ENG.:       | R. LAWSON      | DATE:                | 17-JAN-78     |  |
| MC               | M7705-MLO14 | R   | [C]                     | MFG.ENG.:        | C. POWELL      | DATE:                | 17-JAN-78     |  |
|                  |             |     | [D]                     | ASSEMBLY NUMBER: | D-UA-M7705-0-0 | TOP DOCUMENT NUMBER: | #B-DD-M7705-0 |  |
|                  |             |     | [E]                     |                  |                | FILE NAME:           | Z1484R.PLS    |  |
|                  |             |     | [F]                     |                  |                | EDIT #:              | 16            |  |
|                  |             |     | [H]                     |                  |                |                      |               |  |
|                  |             |     | [J]                     |                  |                |                      |               |  |
|                  |             |     | [K]                     |                  |                |                      |               |  |
|                  |             |     | [L]                     |                  |                |                      |               |  |
|                  |             |     | [M]                     |                  |                |                      |               |  |
|                  |             |     | [N]                     |                  |                |                      |               |  |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION "

AUTOMATED BY FRTLST.1D(5)

PARTS LIST

SHEET A2 OF A2

| LINE | ITEM | DOCUMENT NUMBER  | PART NUMBER | DESCRIPTION                      | QTY PER VARIATION<br>00 | REFERENCE DESIGNATOR       |
|------|------|------------------|-------------|----------------------------------|-------------------------|----------------------------|
| 29   | 29   |                  | 1909686-00  | 7404 INVERTER GATE-HEX 1I        | 3                       | E9,E35,E55                 |
| 30   | 30   |                  | 1910041-00  | DEC 74164 SHIFT REG.,8BIT SERI   | 3                       | E5,E18,E24                 |
| 31   | 31   |                  | 1910153-00  | DEC 74150 MUX 1 OF 16            | 1                       | E7                         |
| 32   | 32   |                  | 1910155-00  | DEC 7408 AND GATE,POS.QUAD 2I    | 5                       | E28,E42,E49,E65,E39        |
| 33   | 33   |                  | 1910091-00  | DEC 7437 AND GATE-QUAD 2IN,BU    | 1                       | E41                        |
| 34   | 34   |                  | 1910645-00  | 75452 DRIVER,PERIPH,DUAL,        | 3                       | E61,E62,E63                |
| 35   | 35   |                  | 1910011-00  | DEC 7486 X-OR GATE-QUAD 2INPU    | 1                       | E12                        |
| 36   | 36   |                  | 1910436-00  | DEC 74123 ONE SHOT-DUAL,RETRIG   | 7                       | E5,E26,E27,E36,E47,E53,E59 |
| 37   | 37   |                  | 1910650-00  | 74161 COUNTER,SYNCHR. UP         | 4                       | E14,E23,E29,E30            |
| 38   | 38   |                  | 1910878-00  | 7427 NOR GATE-TRIPLE 3IN         | 1                       | E4                         |
| 39   | 39   |                  | 1911324-00  | 7414 INVERTER,HEX 1IN SCH        | 2                       | E51,E56                    |
| 40   | 40   |                  | 9000024-01  | EYELET, ROLLED FLANGE, .121 OD X | 8                       |                            |
| 41   | 41   |                  | 1213113-01  | HANDLE,MODULE,                   | 1                       |                            |
| 42   | 42   |                  | 1009964-00  | .68 MFD 35V 10% S.TANT           | 1                       | C73                        |
| 43   | 43   |                  | 9105740-55  | WIRE(WRAP)30AWG UL1423           | A/R                     |                            |
| 44   | 44   |                  | 1105275-00  | D 672 TR= 15NS PIV= 60V SI       | 1                       | D4                         |
| 45   | 45   |                  | 1005572-00  | 150 MFD 6V 20% S.TANT            | 1                       | C69                        |
| 46   | 46   |                  | 1002476-00  | 510.0 MMF 100V 5%200PFM MICA     | 1                       | C71                        |
| 47   | 47   |                  | 9107256-00  | TUBING,THIN WALL,.027ID UL       | A/R                     |                            |
| 48   | 48   | D-MD-5011261-0-0 |             | DRILL AND ETCH DRAWING           | REF                     |                            |
| 49   | 49   | D-EC-5011261-0-0 |             | ETCH CUT DRAWING                 | REF                     |                            |

SD NOTE: ITEM #39: USE ONLY FAIRCHILD AND T.I. PARTS.

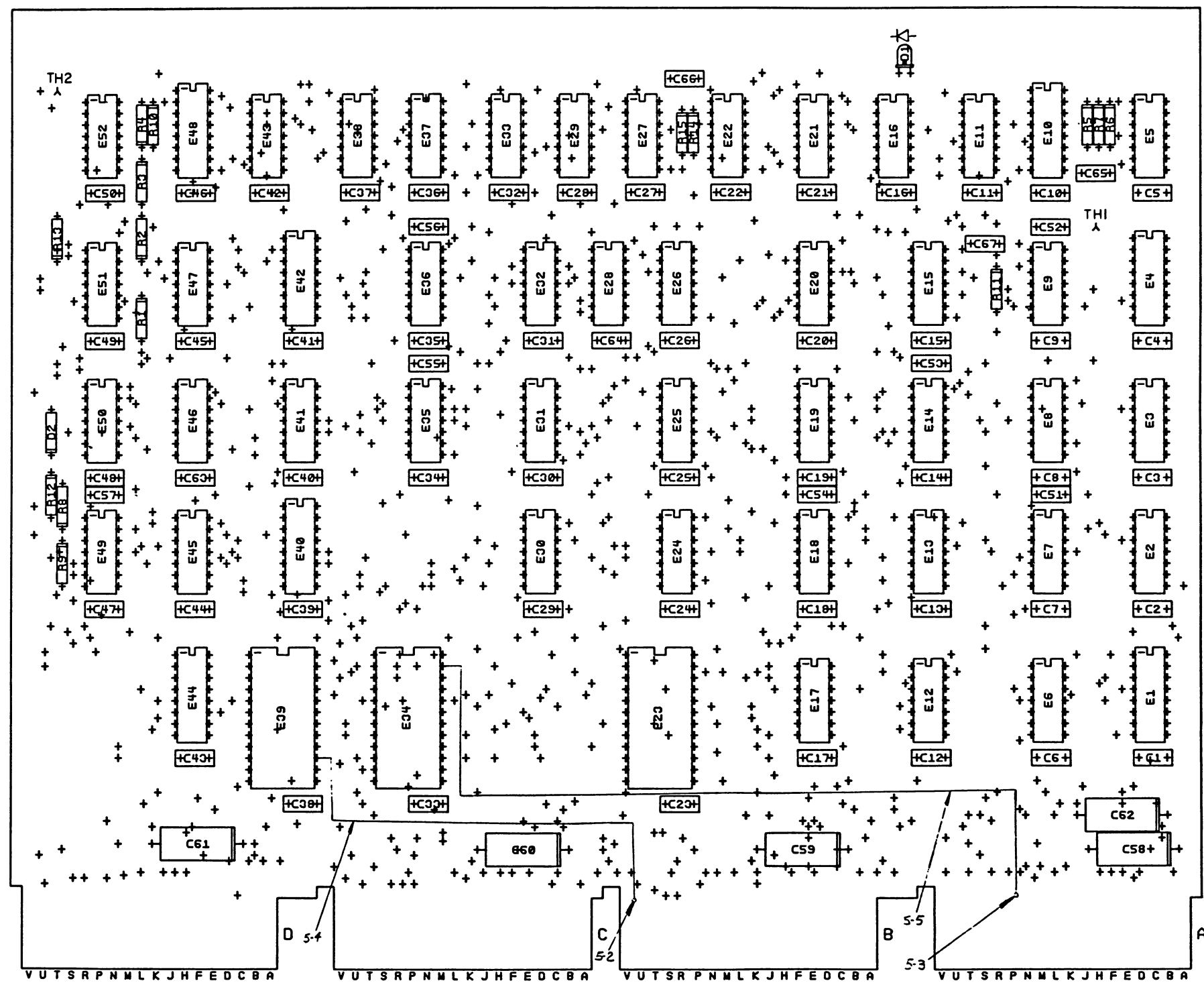
|   |   |   |   |   |   |   |       |                     |                |      |      |                 |     |
|---|---|---|---|---|---|---|-------|---------------------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE | DRIVE CONTROL LCGIC | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   |       |                     |                | K    | PL   | M7705-0-DBP     | R   |

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE CONSTRUCTION OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION © 1977

COMPONENT SIDE VIEW

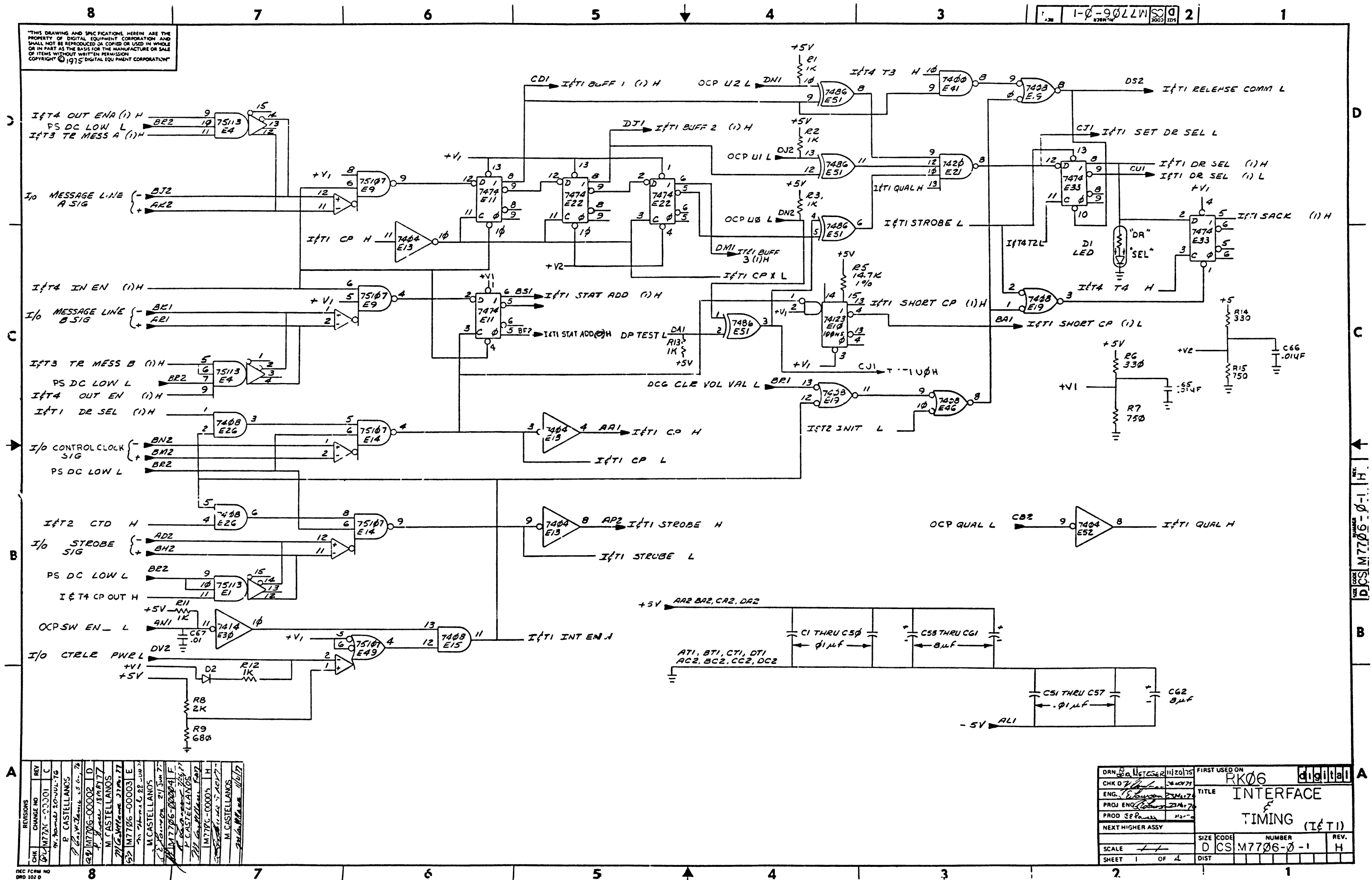
REWORK INSTRUCTIONS:

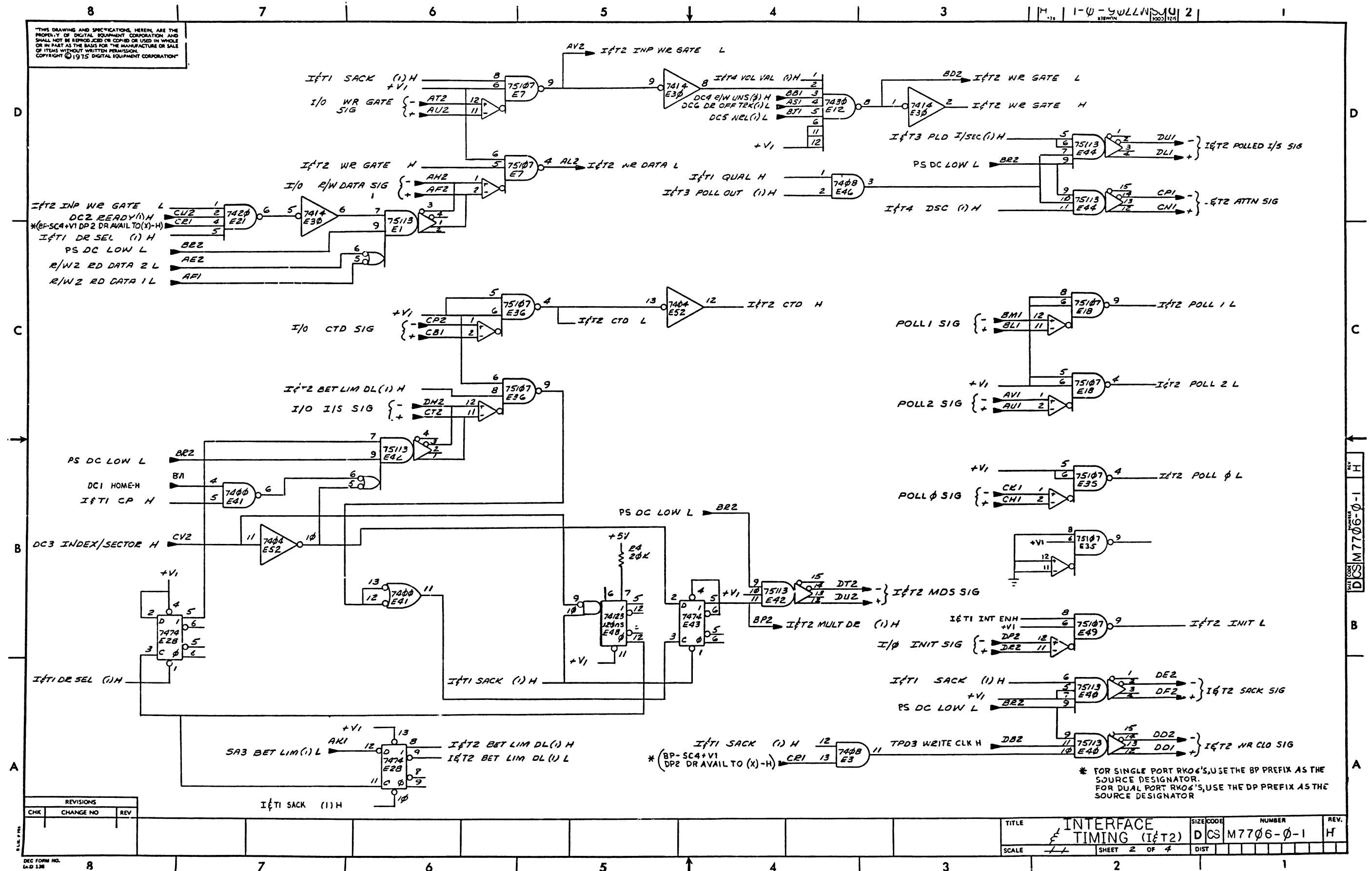
- ECO #5
- ETCH CUT SIDE 1:
- 5-1 CUT BETWEEN E34-4 & E34-23 (PRIOR TO INSTALLATION OF E34)
- HOLE ADDS
- 5-2 ADD HOLE AT LOCATION BU-BV AS SHOWN  
HAND DRILL #60 (.040 DIA) HOLE.
  - 5-3 ADD HOLE AT LOCATION AN-AP AS SHOWN  
HAND DRILL #60 (.040 DIA) HOLE.
- WIRE ADDS SIDE 1:
- 5-4 ADD WIRE AT E39-15 TO BT2 (THROUGH HOLE BETWEEN BU AND BV)
  - 5-5 ADD WIRE AT E34-23 TO AM2 (THROUGH HOLE BETWEEN AN AND AM)



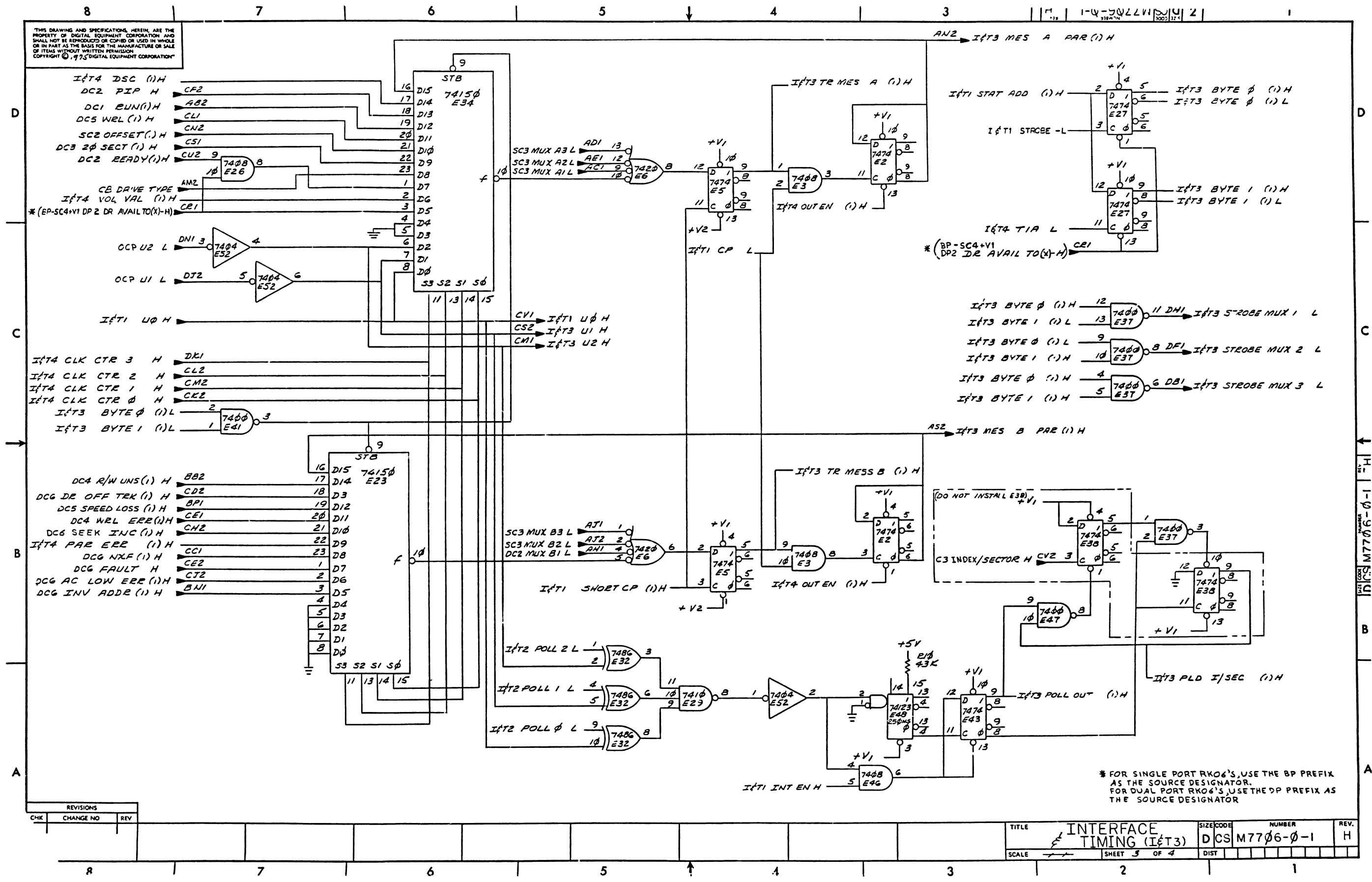
NOTES: 1. DO NOT INSTALL E38.

| CHANGE NO | REV |
|-----------|-----|
| 1         | F   |
| 2         | G   |
| 3         | H   |
| 4         | I   |
| 5         | J   |
| 6         | K   |
| 7         | L   |
| 8         | M   |
| 9         | N   |
| 10        | O   |
| 11        | P   |
| 12        | Q   |
| 13        | R   |
| 14        | S   |
| 15        | T   |
| 16        | U   |
| 17        | V   |
| 18        | W   |
| 19        | X   |
| 20        | Y   |
| 21        | Z   |
| 22        | AA  |
| 23        | AB  |
| 24        | AC  |
| 25        | AD  |
| 26        | AE  |
| 27        | AF  |
| 28        | AG  |
| 29        | AH  |
| 30        | AI  |
| 31        | AJ  |
| 32        | AK  |
| 33        | AL  |
| 34        | AM  |
| 35        | AN  |
| 36        | AO  |
| 37        | AP  |
| 38        | AQ  |
| 39        | AR  |
| 40        | AS  |
| 41        | AT  |
| 42        | AU  |
| 43        | AV  |
| 44        | AW  |
| 45        | AX  |
| 46        | AY  |
| 47        | AZ  |
| 48        | BA  |
| 49        | BB  |
| 50        | BC  |
| 51        | BD  |
| 52        | BE  |
| 53        | BF  |
| 54        | BG  |
| 55        | BH  |
| 56        | BI  |
| 57        | BJ  |
| 58        | BK  |
| 59        | BL  |
| 60        | BM  |
| 61        | BN  |
| 62        | BO  |
| 63        | BP  |
| 64        | BQ  |
| 65        | BR  |
| 66        | BS  |
| 67        | BT  |
| 68        | BU  |
| 69        | BV  |
| 70        | BW  |
| 71        | BX  |
| 72        | BY  |
| 73        | BZ  |
| 74        | CA  |
| 75        | CB  |
| 76        | CC  |
| 77        | CD  |
| 78        | CE  |
| 79        | CF  |
| 80        | CG  |
| 81        | CH  |
| 82        | CI  |
| 83        | CJ  |
| 84        | CK  |
| 85        | CL  |
| 86        | CM  |
| 87        | CN  |
| 88        | CO  |
| 89        | CP  |
| 90        | CQ  |
| 91        | CR  |
| 92        | CS  |
| 93        | CT  |
| 94        | CU  |
| 95        | CV  |
| 96        | CW  |
| 97        | CX  |
| 98        | CY  |
| 99        | CZ  |
| 100       | DA  |
| 101       | DB  |
| 102       | DC  |
| 103       | DD  |
| 104       | DE  |
| 105       | DF  |
| 106       | DG  |
| 107       | DH  |
| 108       | DI  |
| 109       | DJ  |
| 110       | DK  |
| 111       | DL  |
| 112       | DM  |
| 113       | DN  |
| 114       | DO  |
| 115       | DP  |
| 116       | DQ  |
| 117       | DR  |
| 118       | DS  |
| 119       | DT  |
| 120       | DU  |
| 121       | DV  |
| 122       | DW  |
| 123       | DX  |
| 124       | DY  |
| 125       | DZ  |
| 126       | EA  |
| 127       | EB  |
| 128       | EC  |
| 129       | ED  |
| 130       | EE  |
| 131       | EF  |
| 132       | EG  |
| 133       | EH  |
| 134       | EI  |
| 135       | EJ  |
| 136       | EK  |
| 137       | EL  |
| 138       | EM  |
| 139       | EN  |
| 140       | EO  |
| 141       | EP  |
| 142       | EQ  |
| 143       | ER  |
| 144       | ES  |
| 145       | ET  |
| 146       | EU  |
| 147       | EV  |
| 148       | EW  |
| 149       | EX  |
| 150       | EY  |
| 151       | EZ  |
| 152       | FA  |
| 153       | FB  |
| 154       | FC  |
| 155       | FD  |
| 156       | FE  |
| 157       | FF  |
| 158       | FG  |
| 159       | FH  |
| 160       | FI  |
| 161       | FJ  |
| 162       | FK  |
| 163       | FL  |
| 164       | FM  |
| 165       | FN  |
| 166       | FO  |
| 167       | FP  |
| 168       | FQ  |
| 169       | FR  |
| 170       | FS  |
| 171       | FT  |
| 172       | FU  |
| 173       | FV  |
| 174       | FW  |
| 175       | FX  |
| 176       | FY  |
| 177       | FZ  |
| 178       | GA  |
| 179       | GB  |
| 180       | GC  |
| 181       | GD  |
| 182       | GE  |
| 183       | GF  |
| 184       | GG  |
| 185       | GH  |
| 186       | GI  |
| 187       | GJ  |
| 188       | GK  |
| 189       | GL  |
| 190       | GM  |
| 191       | GN  |
| 192       | GO  |
| 193       | GP  |
| 194       | GQ  |
| 195       | GR  |
| 196       | GS  |
| 197       | GT  |
| 198       | GU  |
| 199       | GV  |
| 200       | GW  |
| 201       | GX  |
| 202       | GY  |
| 203       | GZ  |
| 204       | HA  |
| 205       | HB  |
| 206       | HC  |
| 207       | HD  |
| 208       | HE  |
| 209       | HF  |
| 210       | HG  |
| 211       | HH  |
| 212       | HI  |
| 213       | HJ  |
| 214       | HK  |
| 215       | HL  |
| 216       | HM  |
| 217       | HN  |
| 218       | HO  |
| 219       | HP  |
| 220       | HQ  |
| 221       | HR  |
| 222       | HS  |
| 223       | HT  |
| 224       | HU  |
| 225       | HV  |
| 226       | HW  |
| 227       | HX  |
| 228       | HY  |
| 229       | HZ  |
| 230       | IA  |
| 231       | IB  |
| 232       | IC  |
| 233       | ID  |
| 234       | IE  |
| 235       | IF  |
| 236       | IG  |
| 237       | IH  |
| 238       | II  |
| 239       | IJ  |
| 240       | IK  |
| 241       | IL  |
| 242       | IM  |
| 243       | IN  |
| 244       | IO  |
| 245       | IP  |
| 246       | IQ  |
| 247       | IR  |
| 248       | IS  |
| 249       | IT  |
| 250       | IU  |
| 251       | IV  |
| 252       | IW  |
| 253       | IX  |
| 254       | IY  |
| 255       | IZ  |
| 256       | JA  |
| 257       | JB  |
| 258       | JC  |
| 259       | JD  |
| 260       | JE  |
| 261       | JF  |
| 262       | JG  |
| 263       | JH  |
| 264       | JI  |
| 265       | JJ  |
| 266       | JK  |
| 267       | JL  |
| 268       | JM  |
| 269       | JN  |
| 270       | JO  |
| 271       | JP  |
| 272       | jq  |
| 273       | JR  |
| 274       | JS  |
| 275       | JT  |
| 276       | JU  |
| 277       | JV  |
| 278       | JW  |
| 279       | JX  |
| 280       | JY  |
| 281       | JZ  |
| 282       | KA  |
| 283       | KB  |
| 284       | KC  |
| 285       | KD  |
| 286       | KE  |
| 287       | KF  |
| 288       | KG  |
| 289       | KH  |
| 290       | KI  |
| 291       | KJ  |
| 292       | KL  |
| 293       | KM  |
| 294       | KN  |
| 295       | KO  |
| 296       | KP  |
| 297       | KQ  |
| 298       | KR  |
| 299       | KS  |
| 300       | KT  |
| 301       | KU  |
| 302       | KV  |
| 303       | KW  |
| 304       | KX  |
| 305       | KY  |
| 306       | KZ  |
| 307       | LA  |
| 308       | LB  |
| 309       | LC  |
| 310       | LD  |
| 311       | LE  |
| 312       | LF  |
| 313       | LG  |
| 314       | LH  |
| 315       | LI  |
| 316       | LJ  |
| 317       | LK  |
| 318       | LL  |
| 319       | LM  |
| 320       | LN  |
| 321       | LO  |
| 322       | LP  |
| 323       | LQ  |
| 324       | LR  |
| 325       | LS  |
| 326       | LT  |
| 327       | LU  |
| 328       | LV  |
| 329       | LW  |
| 330       | LX  |
| 331       | LY  |
| 332       | LZ  |
| 333       | MA  |
| 334       | MB  |
| 335       | MC  |
| 336       | MD  |
| 337       | ME  |
| 338       | MF  |
| 339       | MG  |
| 340       | MH  |
| 341       | MI  |
| 342       | MJ  |
| 343       | MK  |
| 344       | ML  |
| 345       | MM  |
| 346       | MN  |
| 347       | MO  |
| 348       | MP  |
| 349       | MQ  |
| 350       | MR  |
| 351       | MS  |
| 352       | MT  |
| 353       | MU  |
| 354       | MV  |
| 355       | MW  |
| 356       | MX  |
| 357       | MY  |
| 358       | MZ  |
| 359       | NA  |
| 360       | NB  |
| 361       | NC  |
| 362       | ND  |
| 363       | NE  |
| 364       | NF  |
| 365       | NG  |
| 366       | NH  |
| 367       | NI  |
| 368       | NJ  |
| 369       | NK  |
| 370       | NL  |
| 371       | NM  |
| 372       | NN  |
| 373       | NO  |
| 374       | NP  |
| 375       | NQ  |
| 376       | NR  |
| 377       | NS  |
| 378       | NT  |
| 379       | NU  |
| 380       | NV  |
| 381       | NW  |
| 382       | NX  |
| 383       | NY  |
| 384       | NZ  |
| 385       | OA  |
| 386       | OB  |
| 387       | OC  |
| 388       | OD  |
| 389       | OE  |
| 390       | OF  |
| 391       | OG  |
| 392       | OH  |
| 393       | OI  |
| 394       | OJ  |
| 395       | OK  |
| 396       | OL  |
| 397       | OM  |
| 398       | ON  |
| 399       | OO  |
| 400       | OP  |
| 401       | OQ  |
| 402       | OR  |
| 403       | OS  |
| 404       | OT  |
| 405       | OU  |
| 406       | OV  |
| 407       | OW  |
| 408       | OX  |
| 409       | OY  |
| 410       | OZ  |
| 411       | PA  |
| 412       | PB  |
| 413       | PC  |
| 414       | PD  |
| 415       | PE  |
| 416       | PF  |
| 417       | PG  |
| 418       | PH  |
| 419       | PI  |
| 420       | PJ  |
| 421       | PK  |
| 422       | PL  |
| 423       | PM  |
| 424       | PN  |
| 425       | PO  |
| 426       | PP  |
| 427       | PQ  |
| 428       | PR  |
| 429       | PS  |
| 430       | PT  |
| 431       | PU  |
| 432       | PV  |
| 433       | PW  |
| 434       | PX  |
| 435       | PY  |
| 436       | PZ  |
| 437       | QA  |
| 438       | QB  |
| 439       | QC  |
| 440       | QD  |
| 441       | QE  |
| 442       | QF  |
| 443       | QG  |
| 444       | QH  |
| 445       | QI  |
| 446       | QJ  |
| 447       | QK  |
| 448       | QL  |
| 449       | QM  |
| 450       | QN  |
| 451       | QO  |
| 452       | QP  |
| 453       | QQ  |
| 454       | QR  |
| 455       | QS  |
| 456       | QT  |
| 457       | QU  |
| 458       | QV  |
| 459       | QW  |
| 460       | QX  |
| 461       | QY  |
| 462       | QZ  |
| 463       | RA  |
| 464       | RB  |
| 465       | RC  |
| 466       | RD  |
| 467       | RE  |
| 468       | RF  |
| 469       | RG  |
| 470       | RH  |
| 471       | RI  |
| 472       | RJ  |
| 473       | RK  |
| 474       | RL  |
| 475       | RM  |
| 476       | RN  |
| 477       | RO  |
| 478       | RP  |
| 479       | RQ  |
| 480       | RR  |
| 481       | RS  |
| 482       | RT  |
| 483       | RU  |
| 484       | RV  |
| 485       | RW  |
| 486       | RX  |
| 487       | RY  |
| 488       | RZ  |
| 489       | SA  |
| 490       | SB  |
| 491       | SC  |
| 492       | SD  |
| 493       | SE  |
| 494       | SF  |
| 495       | SG  |
| 496       | SH  |
| 497       | SI  |
| 498       | SJ  |
| 499       | SK  |
| 500       | SL  |
| 501       | SM  |
| 502       | SN  |
| 503       | SO  |
| 504       | SP  |
| 505       | SQ  |
| 506       | SR  |
| 507       | SS  |
| 508       | ST  |
| 509       | SU  |
| 510       | SV  |
| 511       | SW  |
| 512       | SX  |
| 513       | SY  |
| 514       | SZ  |
| 515       | TA  |
| 516       | TB  |
| 517       | TC  |
| 518       | TD  |
| 519       | TE  |
| 520       | TF  |
| 521       | TG  |
| 522       | TH  |
| 523       | TI  |
| 524       | TJ  |
| 525       | TK  |
| 526       | TL  |
| 527       | TM  |
| 528       | TN  |
| 529       | TO  |
| 530       | TP  |
| 531       | TQ  |
| 532       | TR  |
| 533       | TS  |
| 534       | TT  |
| 535       | TU  |
| 536       | TV  |
| 537       | TW  |
| 538       | TX  |
| 539       | TY  |
| 540       | TZ  |
| 541       | UA  |
| 542       | UB  |
| 543       | UC  |
| 544       | UD  |
| 545       | UE  |
| 546       | UF  |
| 547       | UG  |
| 548       | UH  |
| 549       | UI  |
| 550       | UJ  |
| 551       | UK  |
| 552       | UL  |
| 553       | UM  |
| 554       | UN  |
| 555       | UO  |
| 556       | UP  |
| 557       | UQ  |
| 558       | UR  |
| 559       | US  |
| 560       | UT  |
| 561       | UU  |
| 562       | UV  |
| 563       | UW  |
| 564       | UX  |
| 565       | UY  |
| 566       | UZ  |
| 567       | VA  |
| 568       | VB  |
| 569       | VC  |
| 570       | VD  |
| 571       | VE  |
| 572       | VF  |
| 573       | VG  |
| 574       | VH  |
| 575       | VI  |
| 576       | VJ  |
| 577       | VK  |
| 578       | VL  |
| 579       | VM  |
| 580       | VN  |
| 581       | VO  |
| 582       | VP  |
| 583       | VQ  |
| 584       | VR  |
| 585       | VS  |
| 586       | VT  |
| 587       | VU  |
| 588       | VV  |
| 589       | VW  |
| 590       | VX  |
| 591       | VY  |
| 592       | VZ  |
| 593       | WA  |
| 594       | WB  |
| 595       | WC  |
| 596       | WD  |
| 597       | WE  |
| 598       | WF  |
| 599       | WG  |
| 600       | WH  |
| 601       | WI  |
| 602       | WJ  |
| 603       | WK  |
| 604       | WL  |
| 605       | WM  |
| 606       | WN  |
| 607       | WO  |
| 608       | WP  |
| 609       | WQ  |
| 610       | WR  |
| 611       | WS  |
| 612       | WT  |
| 613       | WU  |
| 614       | WV  |
| 615       | WW  |
| 616       | WX  |
| 617       | WY  |
| 618       | WZ  |
| 619       | XA  |
| 620       | XB  |
| 621       | XC  |
| 622       | XD  |
| 623       | XE  |
| 624       | XF  |
| 625       | XG  |
| 626       | XH  |
| 627       | XI  |
| 628       | XJ  |
| 629       | XK  |
| 630       | XL  |
| 631       | XM  |
| 632       | XN  |
| 633       | XO  |
| 634       | XP  |
| 635       | XQ  |
| 636       | XR  |
| 637       | XS  |
| 638       | XT  |
| 639       | XU  |
| 640       | XV  |
| 641       | XW  |
| 642       | XX  |
| 643       | XY  |
| 644       | XZ  |
| 645       | YA  |
| 646       | YB  |
| 647       | YC  |
| 648       | YD  |
| 649       | YE  |
| 650       | YF  |
| 651       | YG  |
| 652       | YH  |
| 653       | YI  |
| 654       | YJ  |
| 655       | YK  |
| 656       | YL  |
| 657       | YM  |
| 658       | YN  |
|           |     |

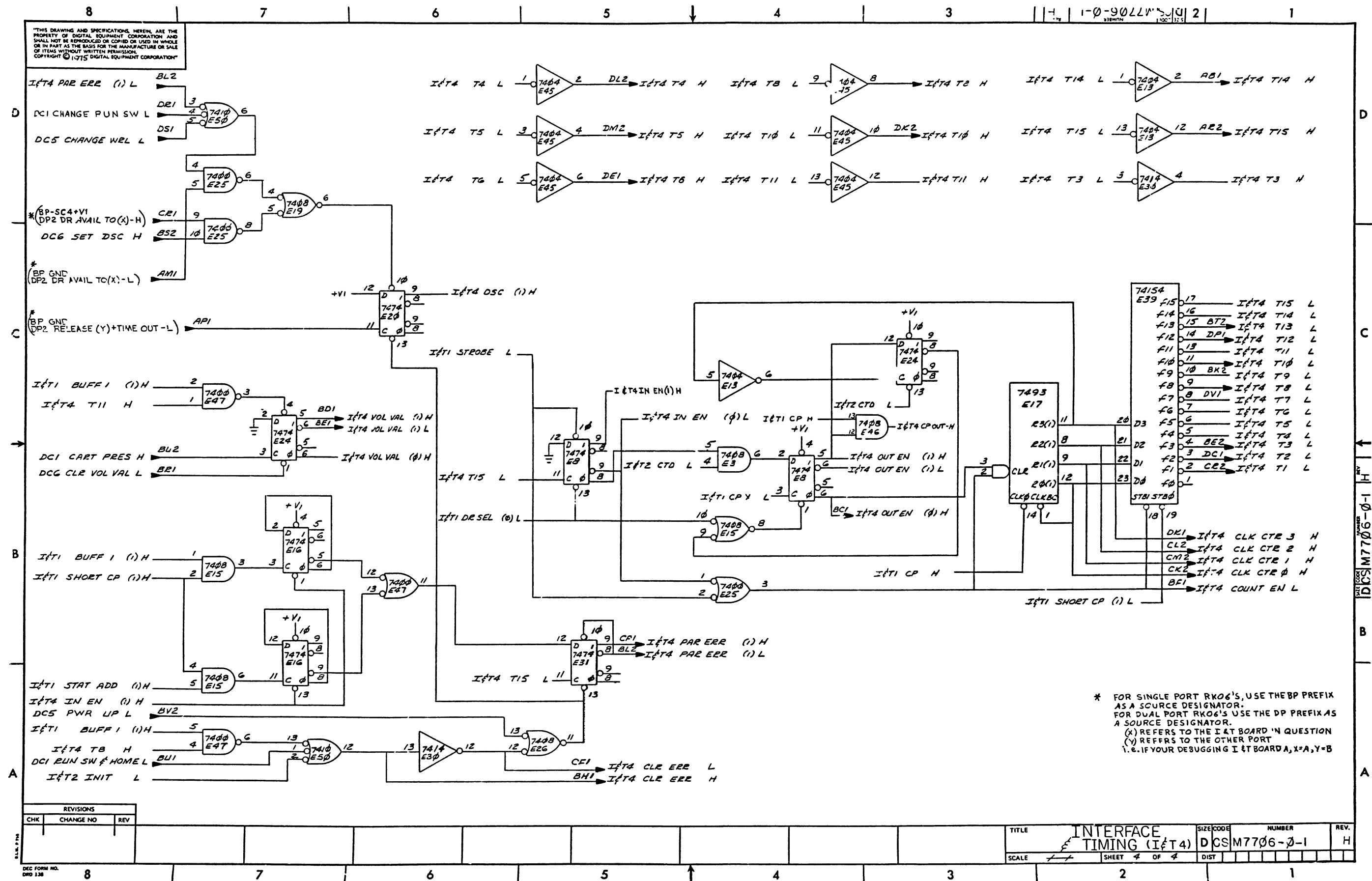




THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION



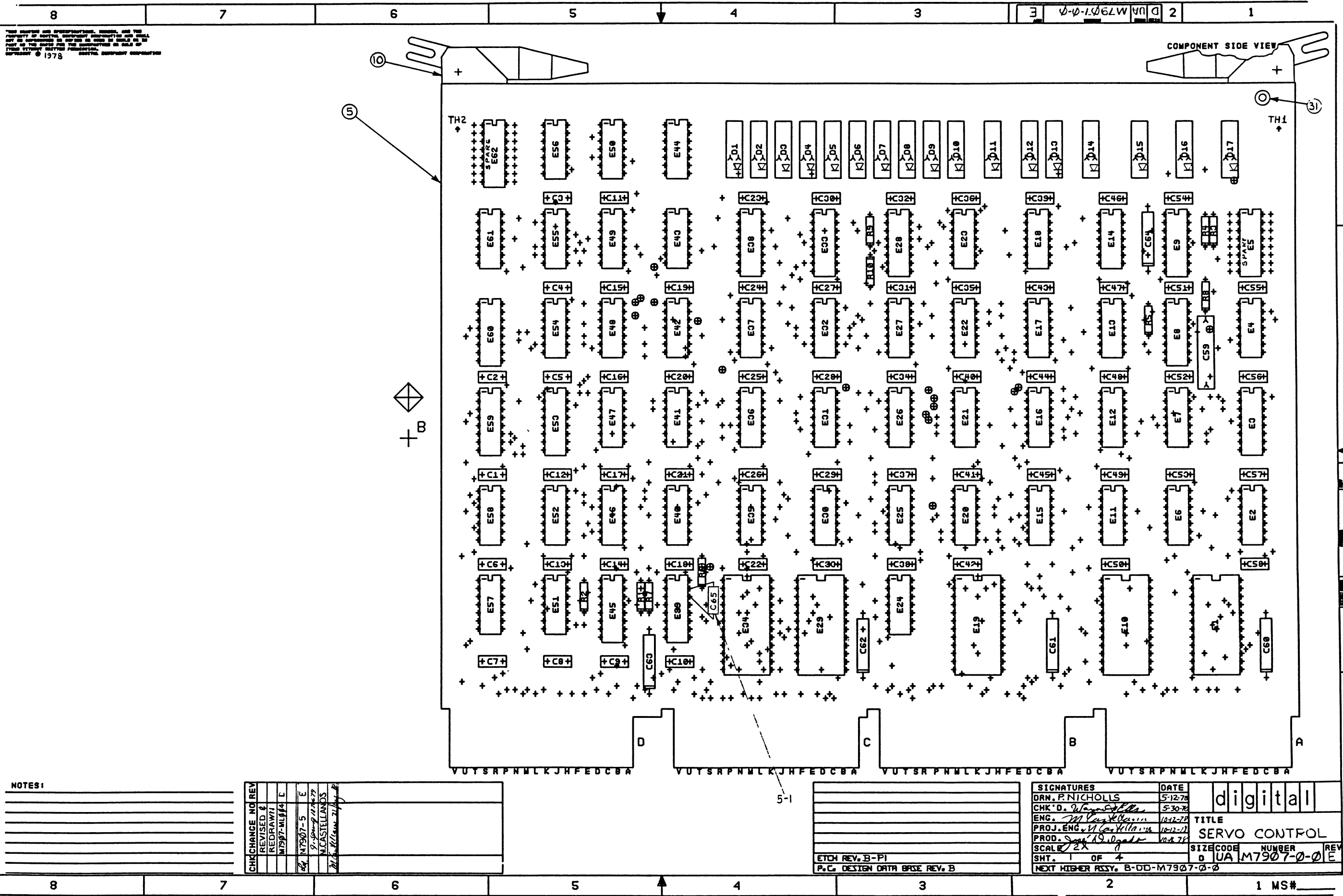
\* FOR SINGLE PORT RKO6'S, USE THE BP PREFIX AS THE SOURCE DESIGNATOR.  
FOR DUAL PORT RKO6'S, USE THE DP PREFIX AS THE SOURCE DESIGNATOR

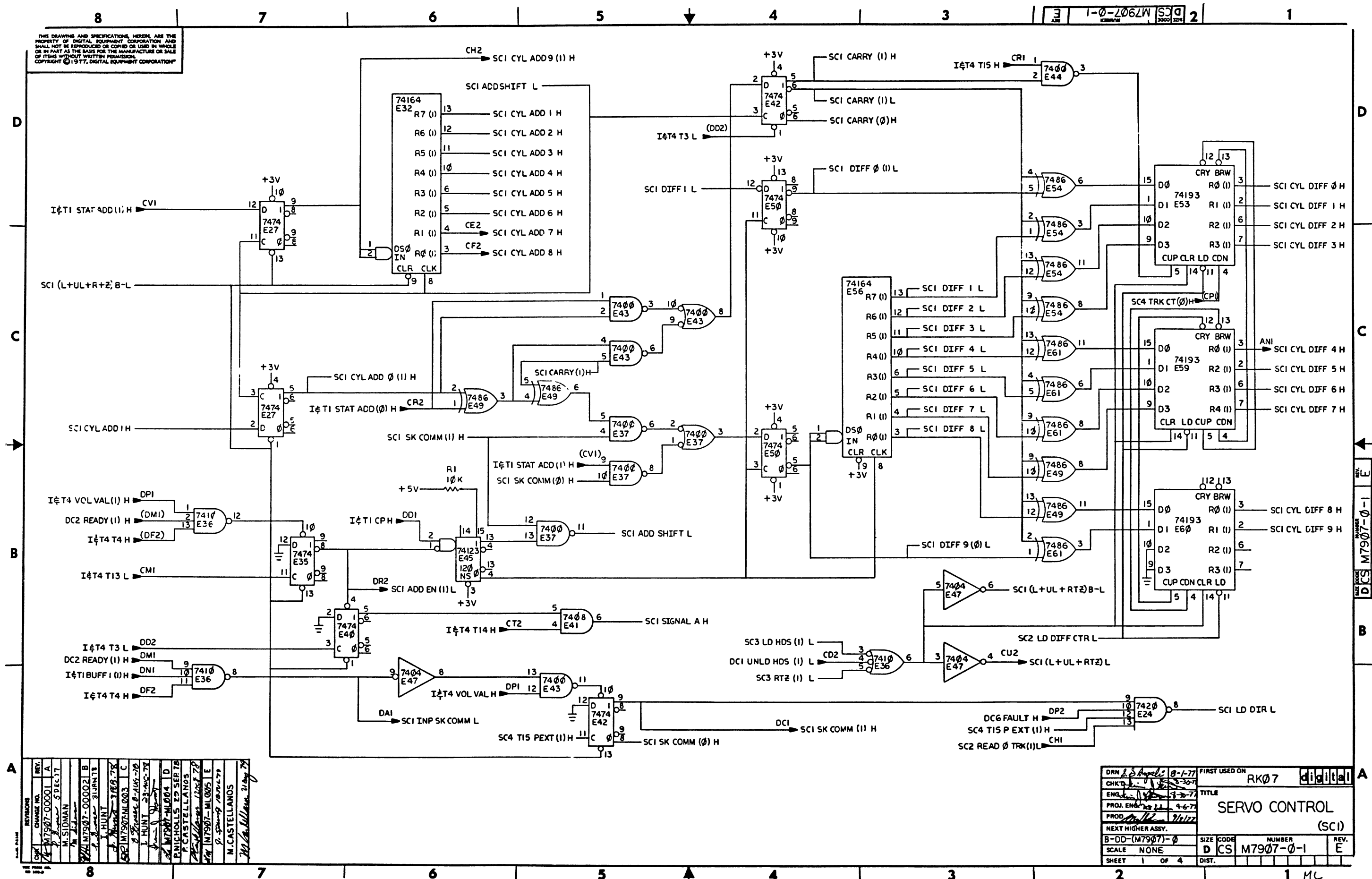




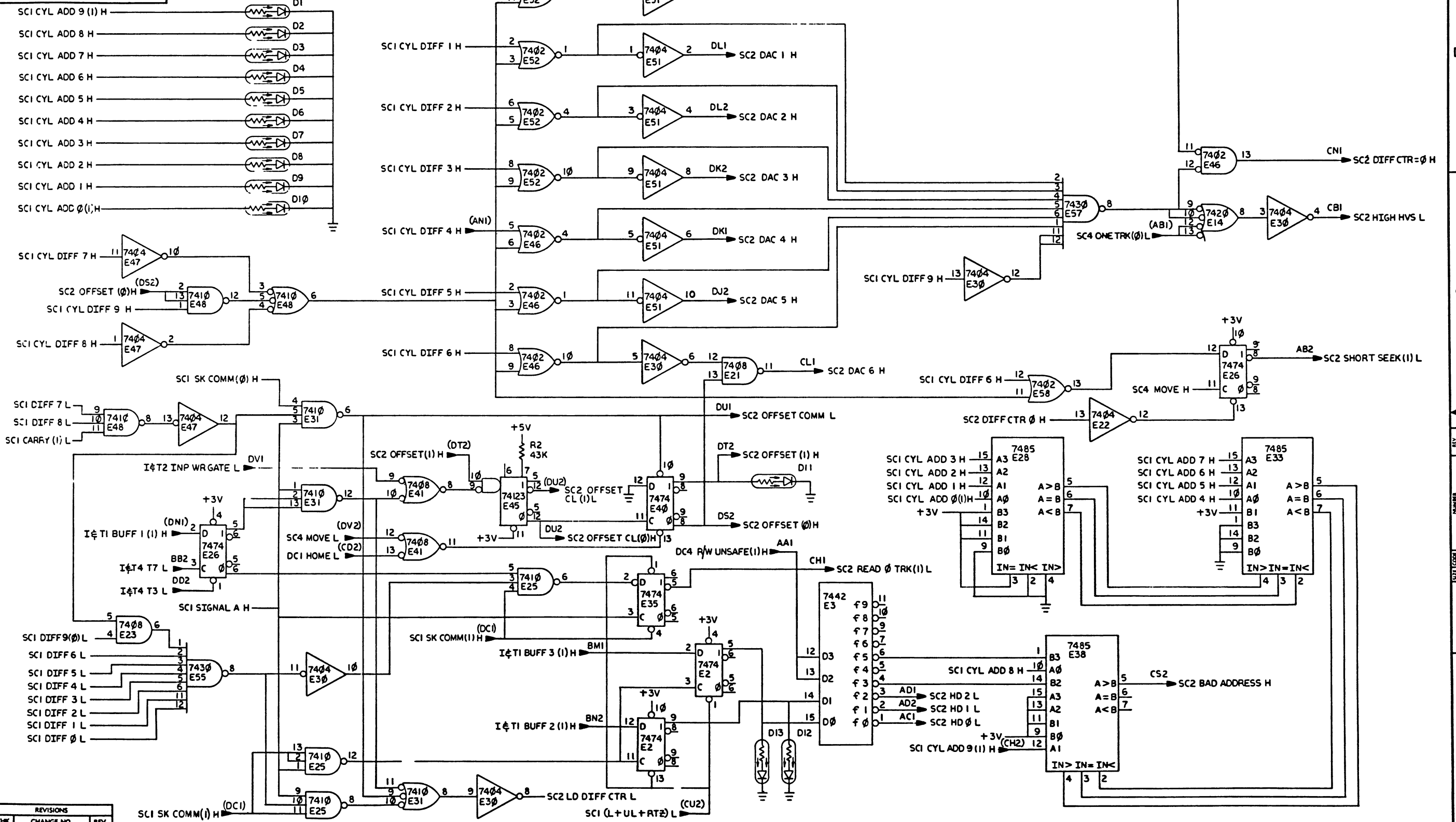
| DIGITAL EQUIPMENT CORPORATION<br>PARTS LIST                                                                                                                                                                                                                                            |                |                                        |                           |                | QUANTITY / VARIATION        |  |  |  |  |                            |  |  |  |                                    |            |                     | NOTES:                                                       |  |           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------|---------------------------|----------------|-----------------------------|--|--|--|--|----------------------------|--|--|--|------------------------------------|------------|---------------------|--------------------------------------------------------------|--|-----------|--|
| MADE BY L. METZGER<br>DATE 10/10/75                                                                                                                                                                                                                                                    |                | CHECKED H. DARAKJIAN<br>DATE 23 FEB 76 |                           | SECTION        |                             |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| ENG R.E. LAWSON<br>DATE 23 MAR 76                                                                                                                                                                                                                                                      |                | PROD C.E. POWELL<br>DATE 23 MAR 76     |                           | ISSUED SECTION |                             |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| ITEM NO.                                                                                                                                                                                                                                                                               | DRAWING NO.    | PART NO.                               | DESCRIPTION               |                |                             |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
|                                                                                                                                                                                                                                                                                        | D-UA-M7706-0-0 |                                        | DRILL & ETCH DRAWING      |                | REF                         |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| 1                                                                                                                                                                                                                                                                                      | D-CS-M7706-0-1 |                                        | INTERFACE & TIMING (C.S.) |                | REF                         |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| 2                                                                                                                                                                                                                                                                                      | D-AH-M7706-0-5 |                                        | ASSY/DRILLING HOLE LAYOUT |                | REF                         |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| 3                                                                                                                                                                                                                                                                                      | B-MH-M7706-0-6 |                                        | MODULE ECO HISTORY        |                | REF                         |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| 4                                                                                                                                                                                                                                                                                      |                | 5011609                                | ETCHED CIRCUIT BOARD      |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| 5                                                                                                                                                                                                                                                                                      |                | 1001610-00                             | CAP .01UF 50V CER         |                | 62                          |  |  |  |  |                            |  |  |  |                                    |            |                     | C1 THRU C57, C63 THRU C67                                    |  |           |  |
| 6                                                                                                                                                                                                                                                                                      |                | 1012084-01                             | CAP 8UF 25V 10%           |                | 5                           |  |  |  |  |                            |  |  |  |                                    |            |                     | C58 THRU C62                                                 |  |           |  |
| 7                                                                                                                                                                                                                                                                                      |                | 1112689-00                             | DIODE LED                 |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     | D1                                                           |  |           |  |
| 8                                                                                                                                                                                                                                                                                      |                | 1105275-00                             | DIODE D672                |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     | D2                                                           |  |           |  |
| 9                                                                                                                                                                                                                                                                                      |                | 1301424-00                             | RES 680 1/4W 5% CC        |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R9                                                           |  |           |  |
| 10                                                                                                                                                                                                                                                                                     |                | 1300295-00                             | RES 330 1/4W 5% CC        |                | 2                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R6, R14                                                      |  |           |  |
| 11                                                                                                                                                                                                                                                                                     |                | 1300365-00                             | RES 1K 1/4W 5% CC         |                | 5                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R1, R2, R3, R12, R13                                         |  |           |  |
| 12                                                                                                                                                                                                                                                                                     |                | 1302941-00                             | RES 14.7K 1/4W 1% MF      |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R5                                                           |  |           |  |
| 13                                                                                                                                                                                                                                                                                     |                | 1301401-00                             | RES 750 1/4W 5% CC        |                | 2                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R7, R15                                                      |  |           |  |
| 14                                                                                                                                                                                                                                                                                     |                | 1304838-00                             | RES 43K 1/4W 5% CC        |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R10                                                          |  |           |  |
| 15                                                                                                                                                                                                                                                                                     |                | 1302391-00                             | RES 20K 1/4W 5% CC        |                | 1                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R4                                                           |  |           |  |
| 16                                                                                                                                                                                                                                                                                     |                | 1302388-00                             | RES 2K 1/4W 5% CC         |                | 2                           |  |  |  |  |                            |  |  |  |                                    |            |                     | R8, R11                                                      |  |           |  |
| 17                                                                                                                                                                                                                                                                                     |                | 1905547-00                             | IC 7474                   |                | 13                          |  |  |  |  |                            |  |  |  |                                    |            |                     | E2, E5, E8, E11, E16, E20, E22, E24, E27, E28, E31, E33, E43 |  |           |  |
| 18                                                                                                                                                                                                                                                                                     |                | 1905575-00                             | IC 7400                   |                | 4                           |  |  |  |  |                            |  |  |  |                                    |            |                     | E25, E37, E41, E47                                           |  |           |  |
| 19                                                                                                                                                                                                                                                                                     |                | 1905576-00                             | IC 7410                   |                | 2                           |  |  |  |  |                            |  |  |  |                                    |            |                     | E29, E50                                                     |  |           |  |
| E.C.O. NO. 0001 0002 0003 0004 0005                                                                                                                                                                                                                                                    |                |                                        |                           |                |                             |  |  |  |  |                            |  |  |  |                                    |            |                     |                                                              |  |           |  |
| "THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © DIGITAL EQUIPMENT CORPORATION" |                |                                        |                           |                | TITLE<br>INTERFACE & TIMING |  |  |  |  | ASSY NO.<br>D-UA-M7706-0-0 |  |  |  | SIZE<br>B                          | CODE<br>PL | NUMBER<br>M7706-0-0 |                                                              |  | REV.<br>H |  |
|                                                                                                                                                                                                                                                                                        |                |                                        |                           |                |                             |  |  |  |  | SHEET 1 OF 2               |  |  |  | INSERTION PARTS LIST DATA BASE REV |            |                     |                                                              |  |           |  |

| DIGITAL EQUIPMENT CORPORATION<br>PARTS LIST                                                                                                                                                                                                                                          |             |                                        |                                | QUANTITY / VARIATION |                            |  |                                    |  |            |  |                     |  |           |  |  | NOTES: |                                 |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------|--------------------------------|----------------------|----------------------------|--|------------------------------------|--|------------|--|---------------------|--|-----------|--|--|--------|---------------------------------|--|--|
| MADE BY L. METZGER<br>DATE 10/10/75                                                                                                                                                                                                                                                  |             | CHECKED H. DARAKJIAN<br>DATE 23 FEB 76 |                                | SECTION              |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| ENG R.E. LAWSON<br>DATE 23 MAR 76                                                                                                                                                                                                                                                    |             | PROD C.E. POWELL<br>DATE 23 MAR 76     |                                | ISSUED SECTION       |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| ITEM NO.                                                                                                                                                                                                                                                                             | DRAWING NO. | PART NO.                               | DESCRIPTION                    |                      |                            |  |                                    |  |            |  |                     |  |           |  |  |        | REF DESIGNATION                 |  |  |
| 20                                                                                                                                                                                                                                                                                   |             | 1905577-00                             | IC 7420                        | 2                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E6, E21                         |  |  |
| 21                                                                                                                                                                                                                                                                                   |             | 1905578-00                             | IC 7430                        | 1                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E12                             |  |  |
| 22                                                                                                                                                                                                                                                                                   |             | 1909054-00                             | IC 7493                        | 1                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E17                             |  |  |
| 23                                                                                                                                                                                                                                                                                   |             | 1909686-00                             | IC 7404                        | 3                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E13, E45, E52                   |  |  |
| 24                                                                                                                                                                                                                                                                                   |             | 1909701-00                             | IC 74154                       | 1                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E39                             |  |  |
| 25                                                                                                                                                                                                                                                                                   |             | 1910011-00                             | IC 7486                        | 2                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E32, E51                        |  |  |
| 26                                                                                                                                                                                                                                                                                   |             | 1910153-00                             | IC 74150                       | 2                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E23, E34                        |  |  |
| 27                                                                                                                                                                                                                                                                                   |             | 1910155-00                             | IC 7408                        | 5                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E3, E15, E19, E26, E46          |  |  |
| 28                                                                                                                                                                                                                                                                                   |             | 1910268-00                             | IC 75107B                      | 7                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E7, E9, E14, E18, E35, E36, E49 |  |  |
| 29                                                                                                                                                                                                                                                                                   |             | 1910436-00                             | IC74123                        | 2                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E10, E48                        |  |  |
| 30                                                                                                                                                                                                                                                                                   |             | 1911341-00                             | IC 75113                       | 5                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        | E1, E4, E40, E42, E44           |  |  |
| 31                                                                                                                                                                                                                                                                                   |             | 1213113-01                             | HANDLE QUAD BOARD              | 1                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| 32                                                                                                                                                                                                                                                                                   |             | 7413826-1                              | HANDLE ASSY QUAD BOARD (RIGHT) | 1                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| 33                                                                                                                                                                                                                                                                                   |             | 9000024-01                             | EYELET                         | 8                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| 34                                                                                                                                                                                                                                                                                   |             | 9105740-55                             | WIRE #30 AWG GRN               | A/R                  |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| 35                                                                                                                                                                                                                                                                                   |             | 1911324-00                             | IC 7414                        | 1                    |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
|                                                                                                                                                                                                                                                                                      |             |                                        |                                |                      |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| E.C.O. NO.                                                                                                                                                                                                                                                                           |             |                                        |                                |                      |                            |  |                                    |  |            |  |                     |  |           |  |  |        |                                 |  |  |
| THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © DIGITAL EQUIPMENT CORPORATION |             |                                        | TITLE<br>INTERFACE & TIMING    |                      | ASSY NO.<br>D-UA-M7706-0-0 |  | SIZE<br>B                          |  | CODE<br>PL |  | NUMBER<br>M7706-0-0 |  | REV.<br>H |  |  |        |                                 |  |  |
|                                                                                                                                                                                                                                                                                      |             |                                        |                                |                      | SHEET 2 OF 2               |  | INSERTION PARTS LIST DATA BASE REV |  |            |  |                     |  |           |  |  |        |                                 |  |  |

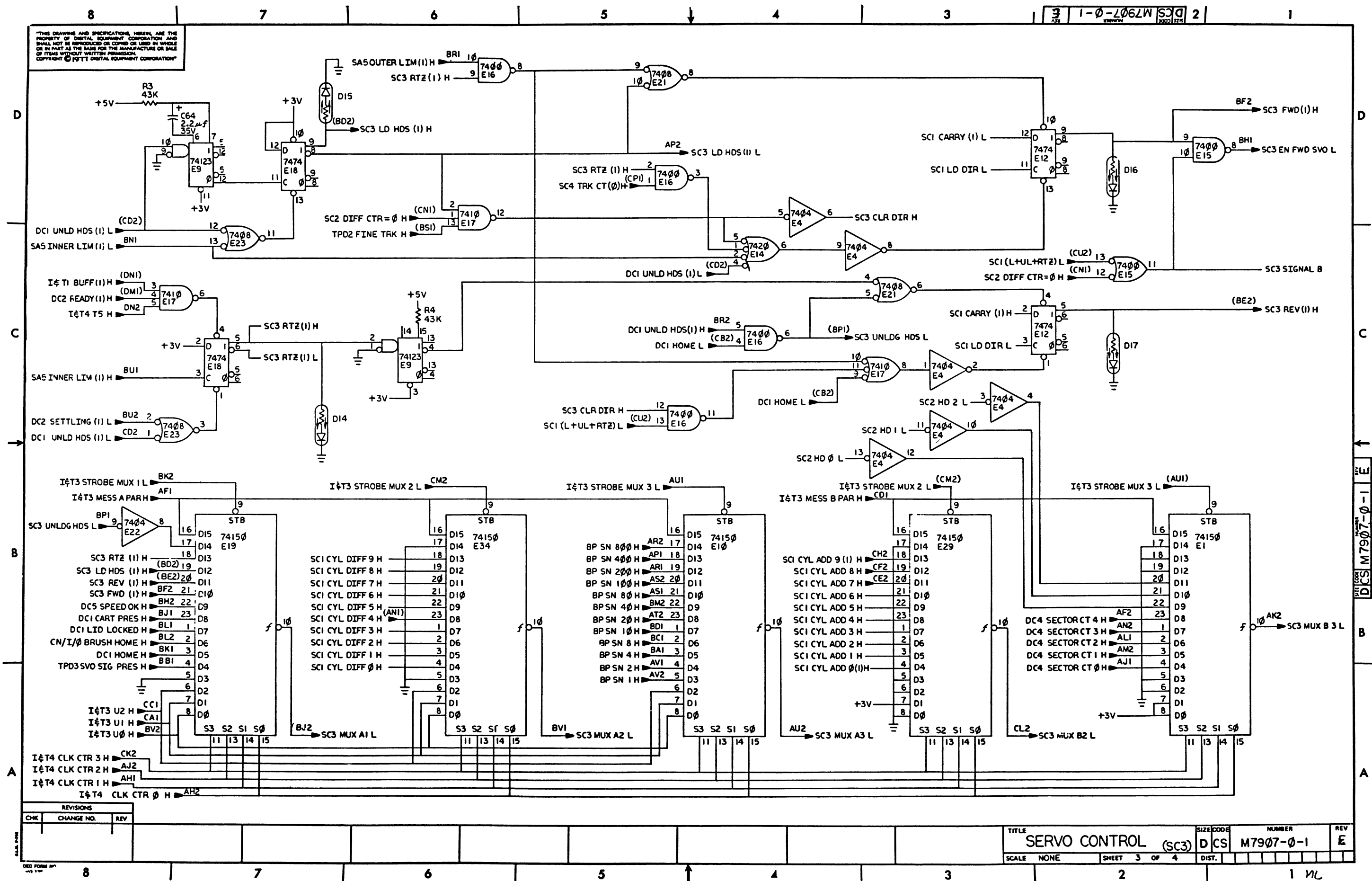




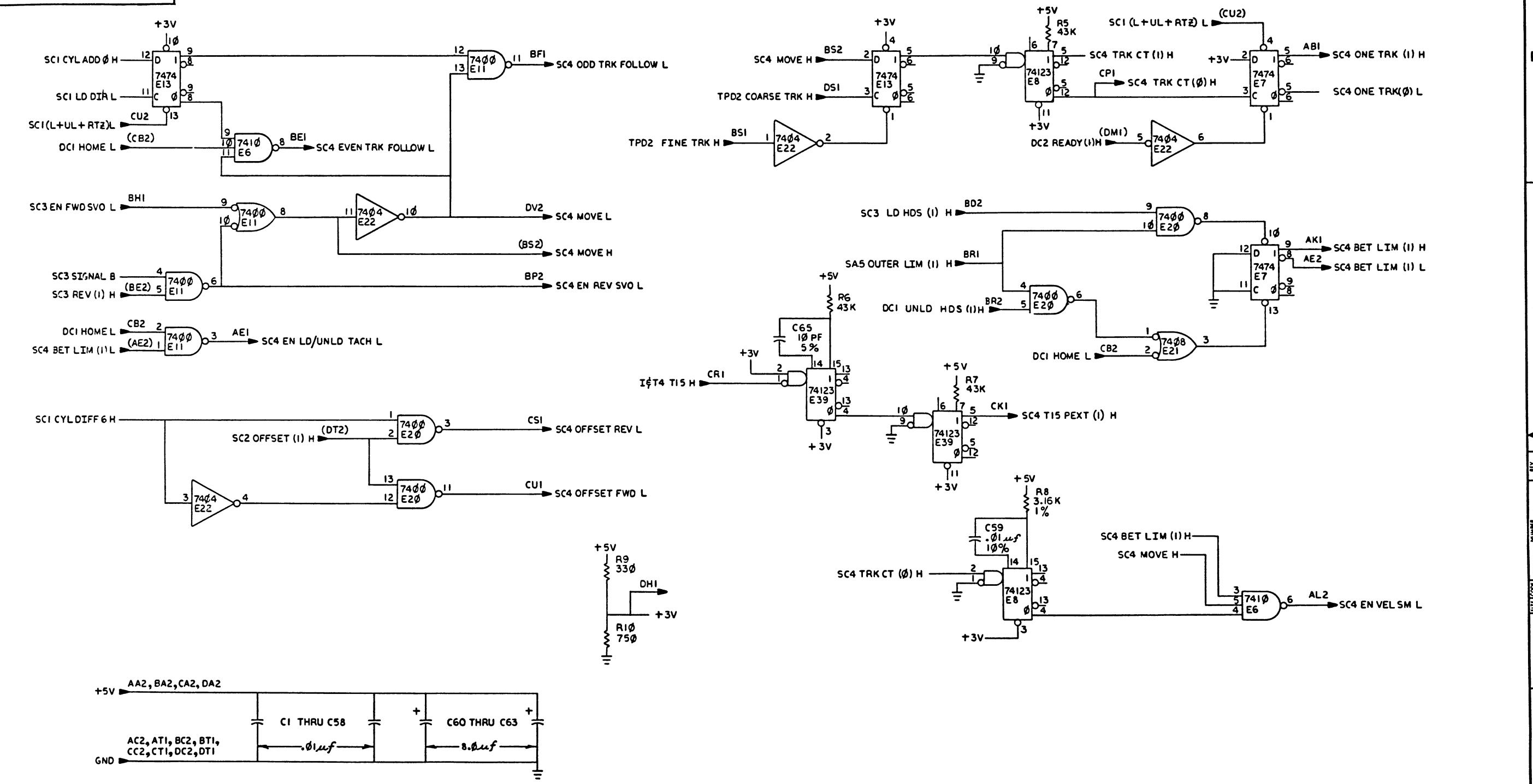
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



|                     |  |              |           |       |           |  |  |      |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--------------|-----------|-------|-----------|--|--|------|--|--|--|--|--|--|--|--|--|--|
| TITLE               |  |              | SIZE CODE |       | NUMBER    |  |  | REV. |  |  |  |  |  |  |  |  |  |  |
| SERVO CONTROL (SC2) |  |              | D CS      |       | M7907-0-1 |  |  | E    |  |  |  |  |  |  |  |  |  |  |
| SCALE NONE          |  | SHEET 2 OF 4 |           | DIST. |           |  |  |      |  |  |  |  |  |  |  |  |  |  |



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

|                     |      |           |           |       |
|---------------------|------|-----------|-----------|-------|
| TITLE               |      | SIZE CODE | NUMBER    | REV.  |
| SERVO CONTROL (SC4) |      | D CS      | M7907-0-1 | E     |
| SCALE               | NONE | SHEET     | 4 OF 4    | DIST. |

1-0-2061W DCS M7907-0-1

SHEET A1 OF A2

| REVISION HISTORY |             |     | BASIC PART NO: M7907    |  | DRN: R.WALDIE         |  | DATE: 31-JAN-78      |  | D I G I T A L        |  |  |  |
|------------------|-------------|-----|-------------------------|--|-----------------------|--|----------------------|--|----------------------|--|--|--|
| ENG              | ECO NUMBER  | REV | SECTION A OF A          |  | CHK'D: C.BEVERLIE     |  | DATE: 31-JAN-78      |  | TITLE PARTS LIST     |  |  |  |
| W.H              | 00002       | B   | SECTION VARIATION INDEX |  | DATE: 31-JAN-78       |  | DATE: 31-JAN-78      |  | SERVO CONTROL        |  |  |  |
| E.R              | ML003       | C   | [A] 00                  |  |                       |  |                      |  |                      |  |  |  |
| C.L              | ML004       | D   | [B]                     |  |                       |  |                      |  |                      |  |  |  |
| MC               | M7907-ML005 | E   | [C]                     |  | DES.ENG: M.D.SIDMAN   |  | DATE: 31-JAN-78      |  |                      |  |  |  |
|                  |             |     | [D]                     |  |                       |  |                      |  |                      |  |  |  |
|                  |             |     | [E]                     |  | RESP.ENG.: M.D.SIDMAN |  | DATE: 31-JAN-78      |  | DOCUMENT NUMBER      |  |  |  |
|                  |             |     | [F]                     |  |                       |  |                      |  |                      |  |  |  |
|                  |             |     | [H]                     |  |                       |  |                      |  | SIZE CODE NUMBER REV |  |  |  |
|                  |             |     | [J]                     |  | MFG.ENG.: M.D.SIDMAN  |  | DATE: 31-JAN-78      |  | K PL M7907-0-DBP E   |  |  |  |
|                  |             |     | [K]                     |  |                       |  |                      |  |                      |  |  |  |
|                  |             |     | [L]                     |  | ASSEMBLY NUMBER:      |  | TOP DOCUMENT NUMBER: |  | FILE NAME: EDIT #    |  |  |  |
|                  |             |     | [M]                     |  | D-UA-M7907-0-0        |  | OPTION/MODEL RK07    |  | Z0768E.PLS 13        |  |  |  |
|                  |             |     | [N]                     |  |                       |  |                      |  |                      |  |  |  |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"



AUTOMATED BY PRTLST.1D(7)

PARTS LIST

SHEET A2 OF A2

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION  
00

REFERENCE DESIGNATOR

30 30  
31 31  
32 32  
33 33  
34 34  
35 35  
36 36

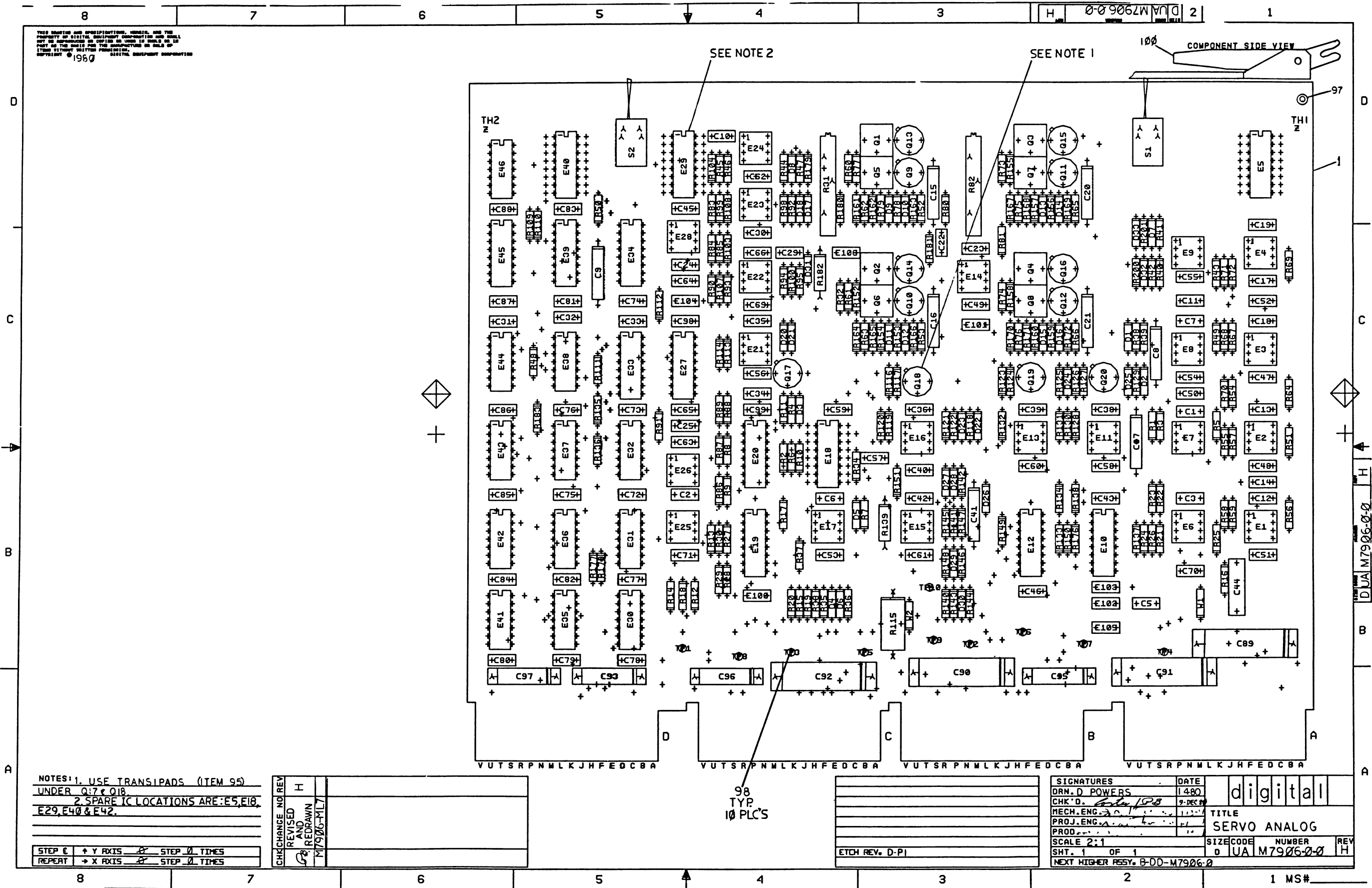
9105740-55  
9000024-01  
9107256-11  
1005784-00  
1905576-00  
1000006-00  
9107256-09

\*\*\* THIS ITEM IS NOT USED \*\*\*  
EYELET,ROLL FLANGE .12100X .192  
\*\*\* THIS ITEM IS NOT USED \*\*\*  
.01 MFD 100V 10% MYLR  
7410 NAND GATE-TRIPLE 3IN  
10.0 MMF 100V 5%200PPM MICA  
TUBING,THIN WALL,.027ID UL

-  
8  
-  
1  
6  
1  
1

C59  
E6,E17,E25,E31,E36,E48  
C65

|   |   |   |   |   |   |   |               |                |      |      |                 |     |
|---|---|---|---|---|---|---|---------------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE         | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | SERVO CONTROL |                | K    | PL   | M7907-Q-DBP     | E   |



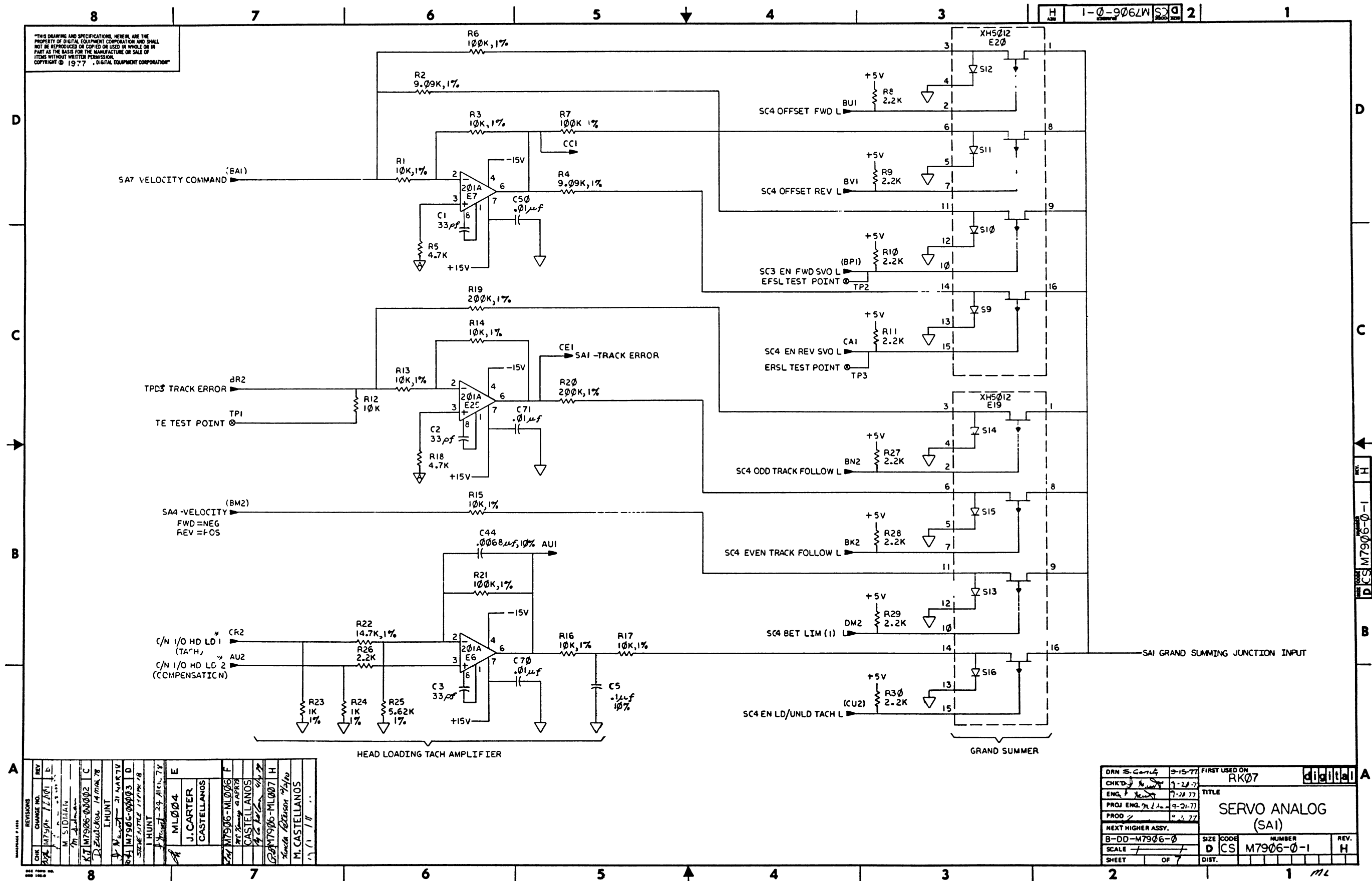
NOTES: 1. USE TRANSIPADS (ITEM 95)  
UNDER Q17 & Q18.  
2. SPARE IC LOCATIONS ARE: E5, E18,  
E29, E40 & E42.

STEP 6 + Y AXIS 1 STEP 0 TIMES  
REPEAT + X AXIS 2 STEP 0 TIMES

| CHG       | CHANGE NO | REV | DATE |
|-----------|-----------|-----|------|
| I         |           |     |      |
| REVISED   |           |     |      |
| AND       |           |     |      |
| REDRAWN   |           |     |      |
| M/906-ML7 |           |     |      |

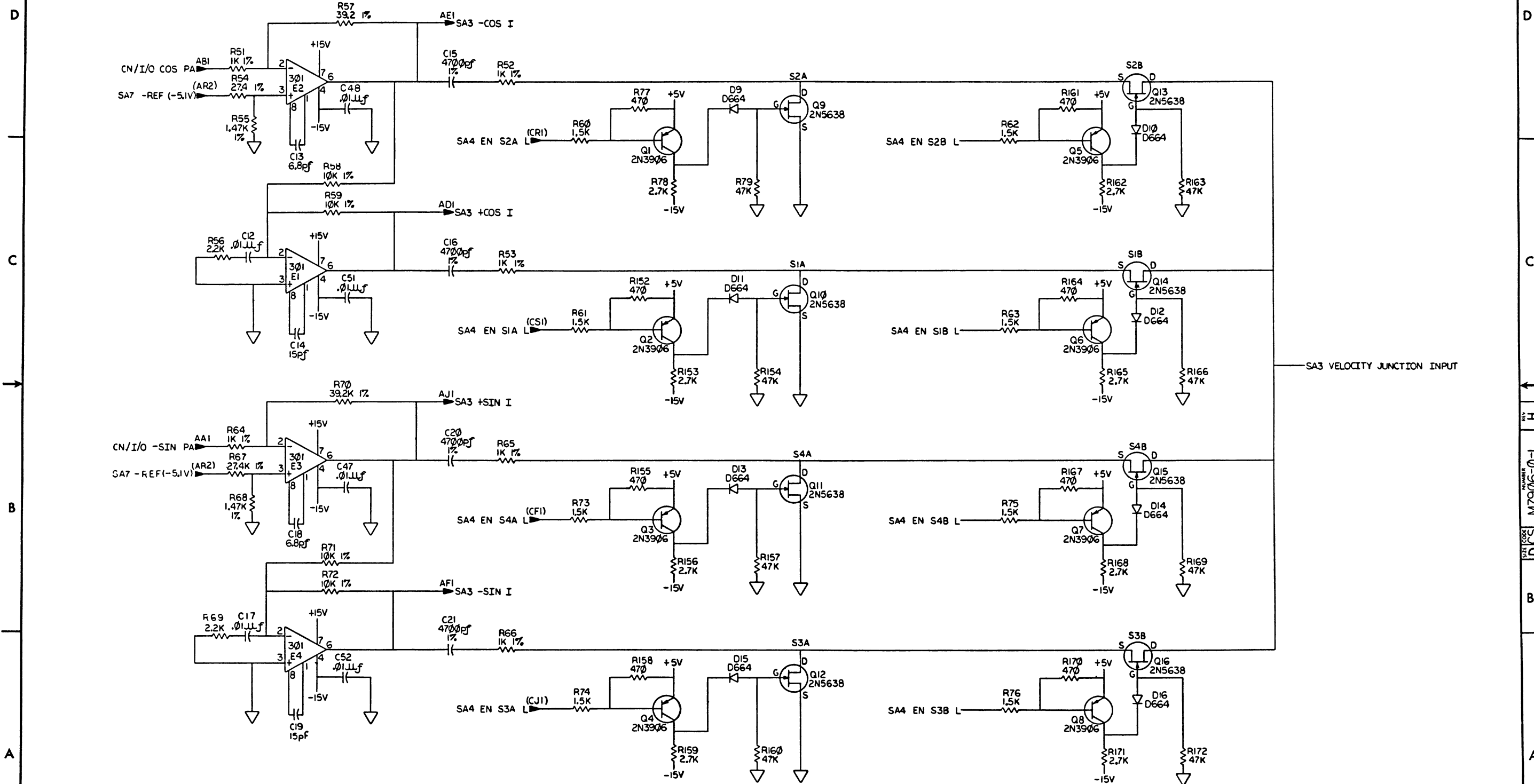
|                |
|----------------|
| ETCH REV. D-PI |
|                |
|                |
|                |
|                |
|                |

|                                |           |              |
|--------------------------------|-----------|--------------|
| SIGNATURES                     | DATE      | digital      |
| DRN. D. POWERS                 | 1480      |              |
| CHK'D. Carter                  | 9-DEC-89  |              |
| MECH. ENG. J. J. J.            |           |              |
| PROJ. ENG. J. J. J.            |           |              |
| PROD. J. J. J.                 |           |              |
| SCALE 2:1                      | TITLE     | SERVO ANALOG |
| SHT. 1 OF 1                    | SIZE CODE | NUMBER       |
| NEXT HIGHER ASSY. B-DD-M7906-0 | 0         | UA M7906-0-0 |
|                                | REV       | H            |



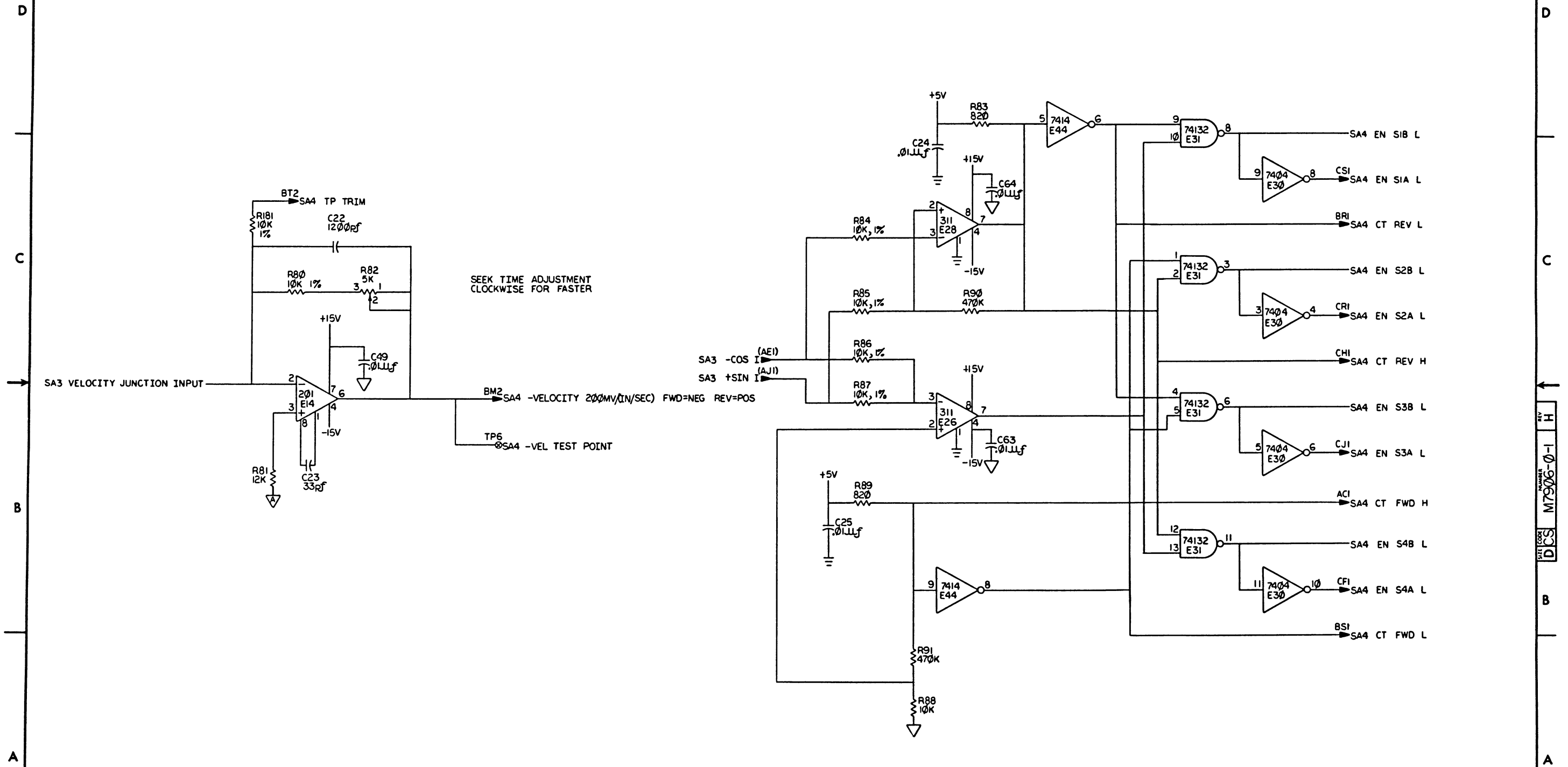


"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



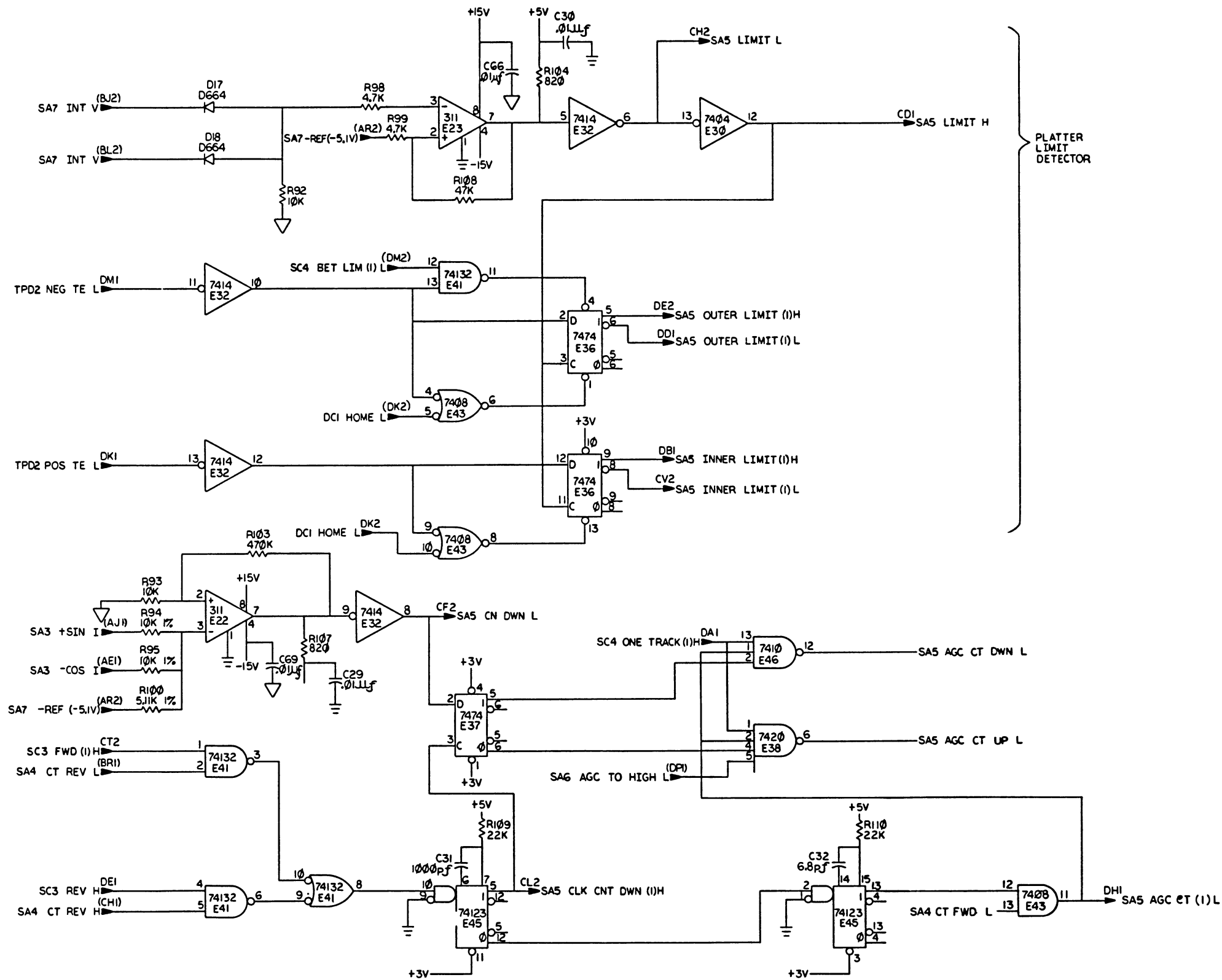
| REVISIONS |           |     | TITLE              |  |  |  |  |  |  |  |  |  | SIZE CODE    |  | NUMBER    |  | REV |  |
|-----------|-----------|-----|--------------------|--|--|--|--|--|--|--|--|--|--------------|--|-----------|--|-----|--|
| CHK       | CHANGE NO | REV | SERVO ANALOG (SA3) |  |  |  |  |  |  |  |  |  | D CS         |  | M7906-0-1 |  | H   |  |
|           |           |     | SCALE              |  |  |  |  |  |  |  |  |  | SHEET 3 OF 7 |  | DIST.     |  |     |  |

"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

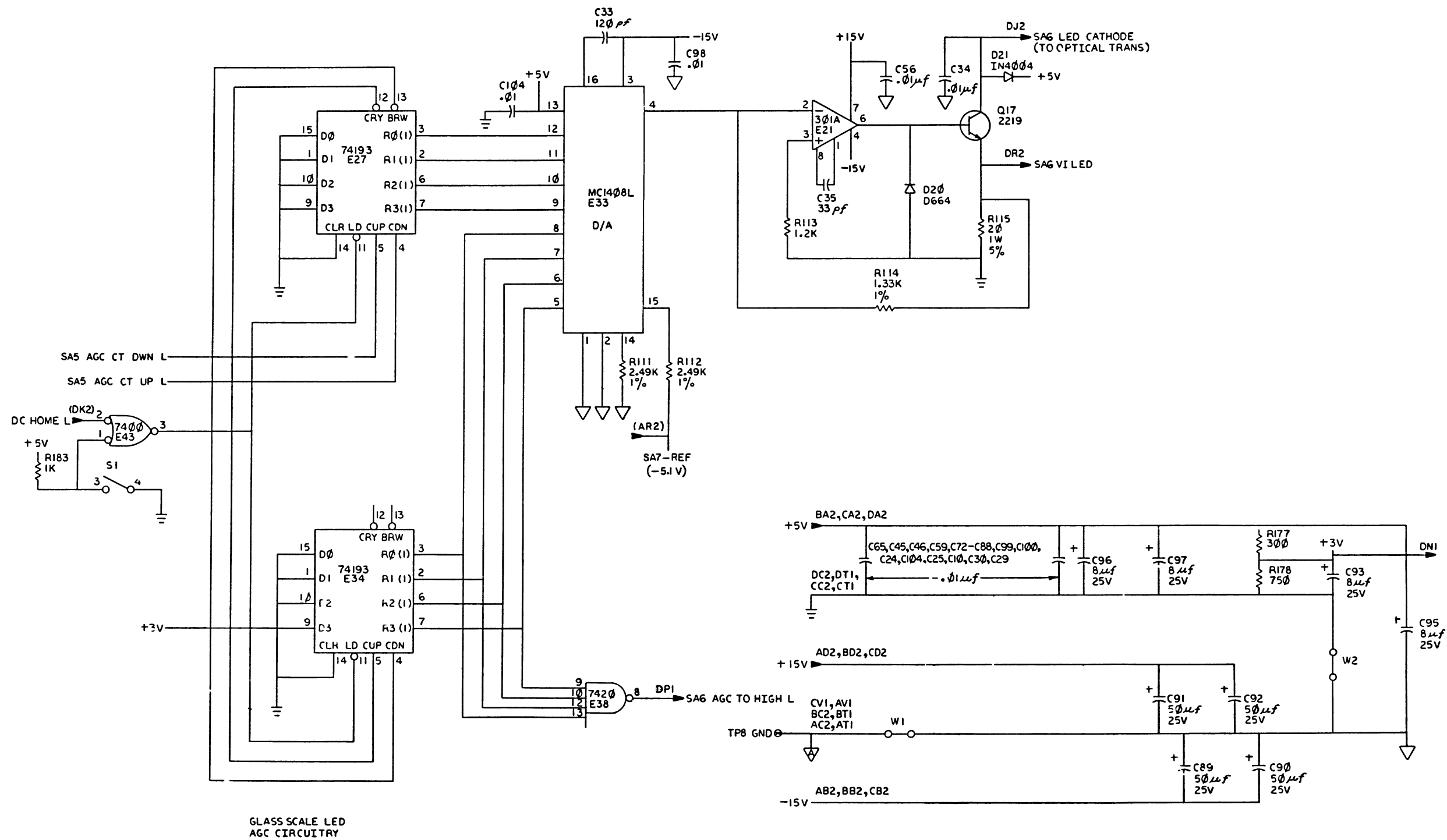


| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

DEC FORM NO. 080 130

|                    |       |           |           |      |
|--------------------|-------|-----------|-----------|------|
| TITLE              |       | SIZE CODE | NUMBER    | REV. |
| SERVO ANALOG (SA5) |       | D CS      | M7906-0-1 | H    |
| SCALE              | SHEET | OF        | DIST.     |      |
|                    | 5     | 7         |           |      |

THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

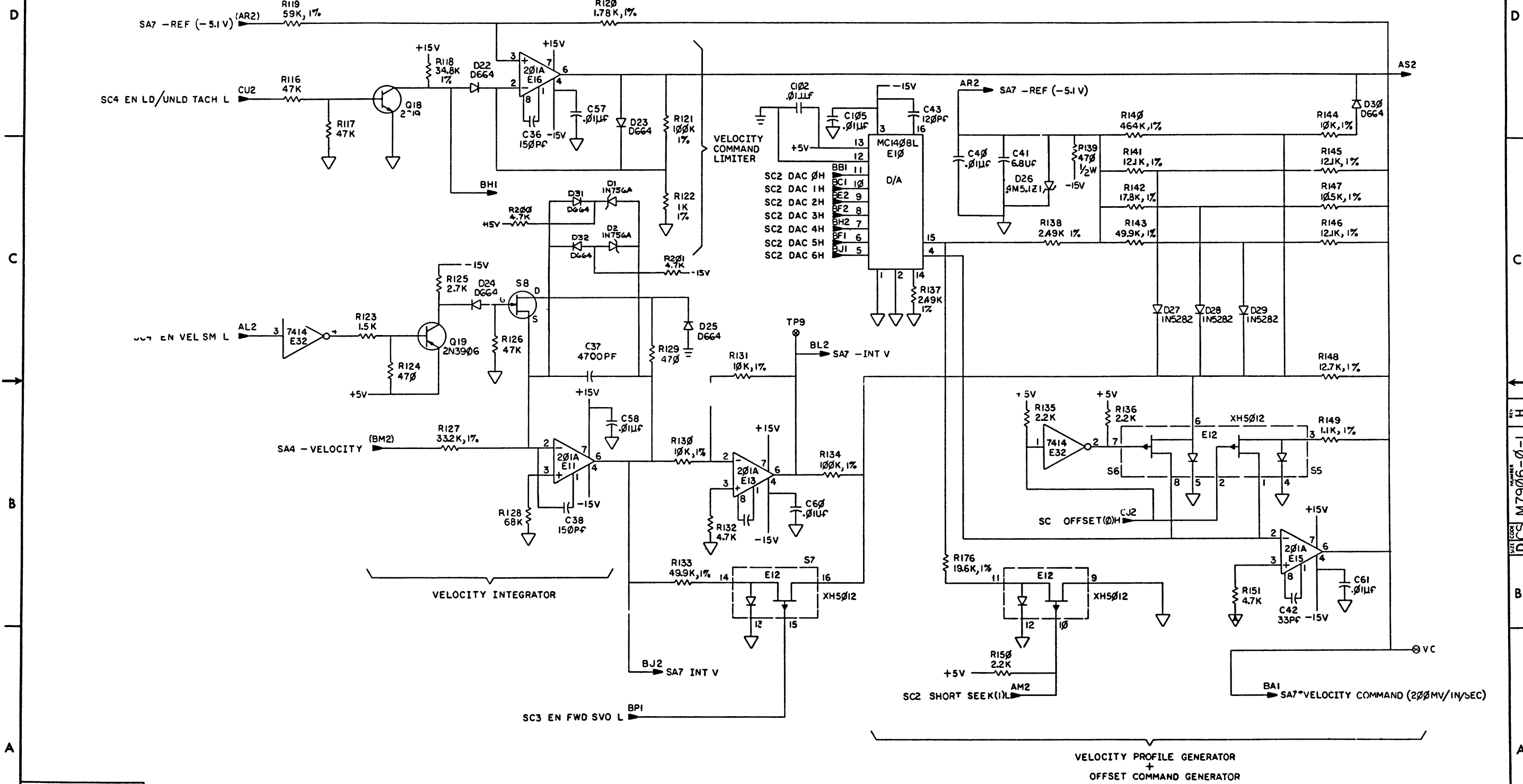


GLASS SCALE LED AGC CIRCUITRY

| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |



"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

AUTOMATED BY PRTLST.2E(3)

# PARTS LIST

SHEET A1 OF A3

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                   | QTY PER VARIATION | REFERENCE DESIGNATOR             |
|------|------|-----------------|-------------|-------------------------------|-------------------|----------------------------------|
| 1    | 1    |                 | 5012848-00  | M7906                         | 1                 |                                  |
| 2    | 2    |                 | 1000005-00  | 6.8 MMF 100V 5%200PPM MICA    | 3                 | C13,C18,C32                      |
| 3    | 3    |                 | 1000009-00  | 33.0 MMF 100V 5%200PPM MICA   | 9                 | C1-C3,C6,C7,C23,C35,C39,C42      |
| 4    | 4    |                 | 1000018-00  | 120.0 MMF 100V 5%200PPM MICA  | 2                 | C33,C43                          |
| 5    | 5    |                 | 1000019-00  | 150.0 MMF 100V 5%200PPM MICA  | 2                 | C36,C38                          |
| 6    | 6    |                 | 1000042-00  | 1000.0 MMF 100V 5%200PPM MICA | 1                 | C31                              |
| 7    | 7    |                 | 1000060-00  | 6800.0 MMF 200V 10% MYLR      | 1                 | C44                              |
| 8    | 8    |                 | 1001610-01  | .01 MFD50/100V +80-20% DISC   | 60                | C10,C12,C17,C24,C25,C29,C34,C30, |
|      |      |                 |             |                               | CONT              | C40,C45-C66,C69-C88,C98-C106     |
| 9    | 9    |                 | 1010978-36  | .1 MFD 50V 10% CER            | 1                 | C5                               |
| 10   | 10   |                 | 1002424-00  | 1200.0 MMF 100V 5%200PPM MICA | 2                 | C11,C22                          |
| 11   | 11   |                 | 1002427-00  | 15.0 MMF 100V 5%200PPM MICA   | 2                 | C14,C19                          |
| 12   | 12   |                 | 1001633-00  | *** THIS ITEM IS NOT USED *** | -                 |                                  |
| 13   | 13   |                 | 1005306-00  | 6.8MFD 35V 10% S.TANT         | 2                 | C9,C41                           |
| 14   | 14   | BLANK           |             |                               | 0                 |                                  |
| 15   | 15   |                 | 1009312-00  | .0047 MFD 100V 1% MYLR        | 6                 | C8,C15,C16,C20,C21,C37           |
| 16   | 16   | BLANK           |             |                               | 0                 |                                  |
| 17   | 17   |                 | 1012084-01  | 8 MFD 25V +75-10% AL EL       | 4                 | C93,C95-C97                      |
| 18   | 18   |                 | 1001796-00  | 50 MFD 25V +75-10% AL EL      | 4                 | C89-C92                          |
| 19   | 19   |                 | 1100114-00  | D 664 QS\75PCB PIV= 25V SP    | 22                | D3,D4,D7-D18,D20,D22-D25,D30,    |
|      |      |                 |             |                               | CONT              | D32,D33                          |
| 20   | 20   |                 | 1105796-00  | 1N 4004 PIV=400 I= 1A D041 SP | 1                 | D21                              |
| 21   | 21   |                 | 1105873-00  | 4M5-1A21 VZ= 5.1 1% .400W     | 2                 | D26,D31                          |
| 22   | 22   |                 | 1109991-00  | 1N 754A VZ= 6.8 5% .40W       | 2                 | D5,D6                            |
| 23   | 23   |                 | 1113003-00  | 1N 5282 PIV=55 I=500M D035    | 3                 | D27-D29                          |
| 24   | 24   |                 | 1300271-00  | *** THIS ITEM IS NOT USED *** | -                 |                                  |
| 25   | 25   |                 | 1300488-00  | 12.0 K .25 W 5.0 % CC         | 1                 | R81                              |
| 26   | 26   |                 | 1300315-00  | 470.0 .50 W 5.0 % CC          | 2                 | R139,R182                        |
| 27   | 27   |                 | 1300316-00  | 470.0 .25 W 5.0 % CC          | 10                | R77,R124,R152,R155,R158,R161,    |
|      |      |                 |             |                               | CONT              | R164,R167,R170,R129              |

| REVISION HISTORY |             |     | BASIC PART NO: M7906    |  |  | DRN: S.KLOTZLE      |  |  | DATE: 01-NOV-78      |  |  | D I G I T A L        |  |  |
|------------------|-------------|-----|-------------------------|--|--|---------------------|--|--|----------------------|--|--|----------------------|--|--|
| ENG              | ECO NUMBER  | REV | SECTION A OF A          |  |  | CHK'D: P.BOSSMAN    |  |  | DATE: 01-NOV-78      |  |  | TITLE PARTS LIST     |  |  |
| C.L              | M7906-ML004 | E   | SECTION VARIATION INDEX |  |  | DES.ENG: M.SIDMAN   |  |  | DATE: 01-NOV-78      |  |  | SERVO ANALOG         |  |  |
| M.C              | M7906-ML006 | F   | [A] 00                  |  |  | RESP.ENG.: M.SIDMAN |  |  | DATE: 01-NOV-78      |  |  | DOCUMENT NUMBER      |  |  |
| MC               | M7906-ML007 | H   | [B]                     |  |  | MFG.ENG.: M.RAYMOND |  |  | DATE: 01-NOV-78      |  |  | SIZE CODE NUMBER REV |  |  |
|                  |             |     | [C]                     |  |  | ASSEMBLY NUMBER:    |  |  | TOP DOCUMENT NUMBER: |  |  | FILE NAME:           |  |  |
|                  |             |     | [D]                     |  |  | D-UA-M7906-0-0      |  |  | #B-DD-M7906-0        |  |  | Z0477H.PLS           |  |  |
|                  |             |     | [E]                     |  |  |                     |  |  |                      |  |  | EDIT #               |  |  |
|                  |             |     | [F]                     |  |  |                     |  |  |                      |  |  | 12                   |  |  |
|                  |             |     | [G]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [H]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [I]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [J]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [K]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [L]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [M]                     |  |  |                     |  |  |                      |  |  |                      |  |  |
|                  |             |     | [N]                     |  |  |                     |  |  |                      |  |  |                      |  |  |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"

AUTOMATED BY PRTLST.2E(3)

PARTS LIST

SHEET A2 OF A3

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                   | QTY | PER VARIATION | REFERENCE DESIGNATOR                   |
|------|------|-----------------|-------------|-------------------------------|-----|---------------|----------------------------------------|
|      |      |                 |             |                               | 00  |               |                                        |
| 28   | 28   |                 | 1300365-00  | 1.0 K .25 W 5.0 % CC          | 2   |               | R48, R183                              |
| 29   | 29   |                 | 1303114-00  | 1.0 K .25 W 1.0 % RN55D-F10   | 9   |               | R23, R24, R51-R53, R64-R66, R122       |
| 30   | 30   |                 | 1301320-00  | 1.20 K .25 W 5.0 % CC         | 1   |               | R113                                   |
| 31   | 31   |                 | 1300391-00  | 1.50 K .25 W 5.0 % CC         | 9   |               | R60-R63, R73-R76, R123                 |
| 32   | 32   |                 | 1300411-00  | 2.0 K .25 W 1.0 % RN55D-F10   | 1   |               | R125                                   |
| 33   | 33   |                 | 1300417-00  | 2.20 K .25 W 5.0 % CC         | 14  |               | R8-R11, R26-R30, R56, R69, R135,       |
|      |      |                 |             |                               |     | CONT          | R136, R150                             |
| 34   | 34   |                 | 1300426-00  | 2.70 K .25 W 5.0 % CC         | 8   |               | R78, R153, R156, R159, R162, R165,     |
|      |      |                 |             |                               |     | CONT          | R168, R171                             |
| 35   | 35   |                 | 1300447-00  | 4.70 K .25 W 5.0 % CC         | 13  |               | R5, R18, R34, R35, R43-R45, R98, R99,  |
|      |      |                 |             |                               |     | CONT          | R132, R151, R200, R201                 |
| 36   | 36   |                 | 1300479-00  | 10.0 K .25 W 5.0 % CC         | 5   |               | R12, R42, R88, R92, R93                |
| 37   | 37   |                 | 1300525-00  | 59.0 K .25 W 1.0 % RN55D-F10  | 1   |               | R119                                   |
| 38   | 38   |                 | 1300539-00  | 120.0 K .25 W 5.0 % CC        | 1   |               | R49                                    |
| 39   | 39   |                 | 1301401-00  | 750.0 .25 W 5.0 % CC          | 1   |               | R178                                   |
| 40   | 40   |                 | 1301775-00  | 820.0 .25 W 5.0 % CC          | 5   |               | R47, R83, R89, R104, R107              |
| 41   | 41   |                 | 1301808-00  | 22.0 K .25 W 5.0 % CC         | 2   |               | R109, R110                             |
| 42   | 42   |                 | 1302177-00  | 47.0 K .25 W 5.0 % CC         | 13  |               | R46, R79, R108, R116, R117, R126,      |
|      |      |                 |             |                               |     | CONT          | R154, R157, R160, R163, R166, R169,    |
|      |      |                 |             |                               |     | CONT          | R172                                   |
| 43   | 43   |                 | 1312993-00  | 20.0 1.0 W 5.0 % CC           | 1   |               | R115                                   |
| 44   | 44   |                 | 1301327-00  | 68.0 K .25 W 5.0 % CC         | 1   |               | R128                                   |
| 45   | 45   |                 | 1302398-00  | 470.0 K .25 W 5.0 % CC        | 3   |               | R90, R91, R103                         |
| 46   | 46   |                 | 1302612-00  | 1.78 K .25 W 1.0 % RN55D-F10  | 1   |               | R120                                   |
| 47   | 47   |                 | 1302941-00  | 14.70 K .25 W 1.0 % RN55D-F10 | 1   |               | R22                                    |
| 48   | 48   |                 | 1303043-00  | 464.0 K .25 W 1.0 % RN55D-F10 | 1   |               | R140                                   |
| 49   | 49   |                 | 1303044-00  | 100.0 K .25 W 1.0 % RN55D-F10 | 5   |               | R6, R7, R21, R121, R134                |
| 50   | 50   |                 | 1303156-00  | 34.80 K .25 W 1.0 % RN55D-F10 | 1   |               | R118                                   |
| 51   | 51   |                 | 1303179-00  | 8.20 K .25 W 5.0 % CC         | 1   |               | R37                                    |
| 52   | 52   |                 | 1303312-00  | 10.0 K .25 W 1.0 % RN55D-F10  | 25  |               | R1, R3, R13-R17, R40, R41, R50, R58,   |
|      |      |                 |             |                               |     | CONT          | R59, R71, R72, R80, R84-R87, R94, R95, |
|      |      |                 |             |                               |     | CONT          | R130, R131, R144, R181                 |
| 53   | 53   |                 | 1303313-00  | 12.10 K .25 W 1.0 % RN55D-F10 | 3   |               | R141, R145, R146                       |
| 54   | 54   |                 | 1304854-00  | 5.11 K .25 W 1.0 % RN55D-F10  | 1   |               | R100                                   |
| 55   | 55   |                 | 1305108-00  | 1.47 K .25 W 1.0 % RN55D-F10  | 2   |               | R55, R68                               |
| 56   | 56   |                 | 1305128-00  | 5.62 K .25 W 1.0 % RN55D-F10  | 1   |               | R25                                    |
| 57   | 57   |                 | 1305265-00  | 39.20 K .25 W 1.0 % RN55D-F10 | 2   |               | R57, R70                               |
| 58   | 58   |                 | 1305336-00  | 200.0 K .25 W 1.0 % RN55D-F10 | 2   |               | R19, R20                               |
| 59   | 59   |                 | 1305252-00  | 68.10 K .25 W 1.0 % RN55D-F10 | 1   |               | R127                                   |
| 60   | 60   |                 | 1305422-00  | 137.0 K .25 W 1.0 % RN55D-F10 | 2   |               | R33, R36                               |
| 61   | 61   |                 | 1309143-09  | 5.0 K .75 W10.0 % POT         | 1   |               | R82                                    |
| 62   | 62   |                 | 1309143-10  | 10.0 K .75 W10.0 % POT        | 1   |               | R31                                    |
| 63   | 63   |                 | 1309417-00  | 27.40 K .25 W 1.0 % RN55D-F10 | 2   |               | R54, R67                               |
| 64   | 64   |                 | 1309419-00  | 19.60 K .25 W 1.0 % RN55D-F10 | 3   |               | R176, R179, R180                       |
| 65   | 65   |                 | 1310630-00  | 1.33 K .25 W 1.0 % RN55D-F10  | 1   |               | R114                                   |
| 66   | 66   |                 | 1305427-00  | 590.0 K .25 W 1.0 % RN55D-F10 | 1   |               | R32                                    |
| 67   | 67   |                 | 1312626-00  | 2.49 K .25 W 1.0 % RN55D-F10  | 4   |               | R111, R112, R137, R139                 |
| 68   | 68   |                 | 1312747-00  | 56.20 K .25 W 1.0 % RN55D-F10 | 2   |               | R38, R39                               |

|   |   |   |   |   |   |   |              |                |      |      |                 |     |
|---|---|---|---|---|---|---|--------------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE        | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | SERVO ANALOG |                | K    | PL   | M7905-J-DBP     | H   |

AUTOMATED BY PRTLST.2E(3)

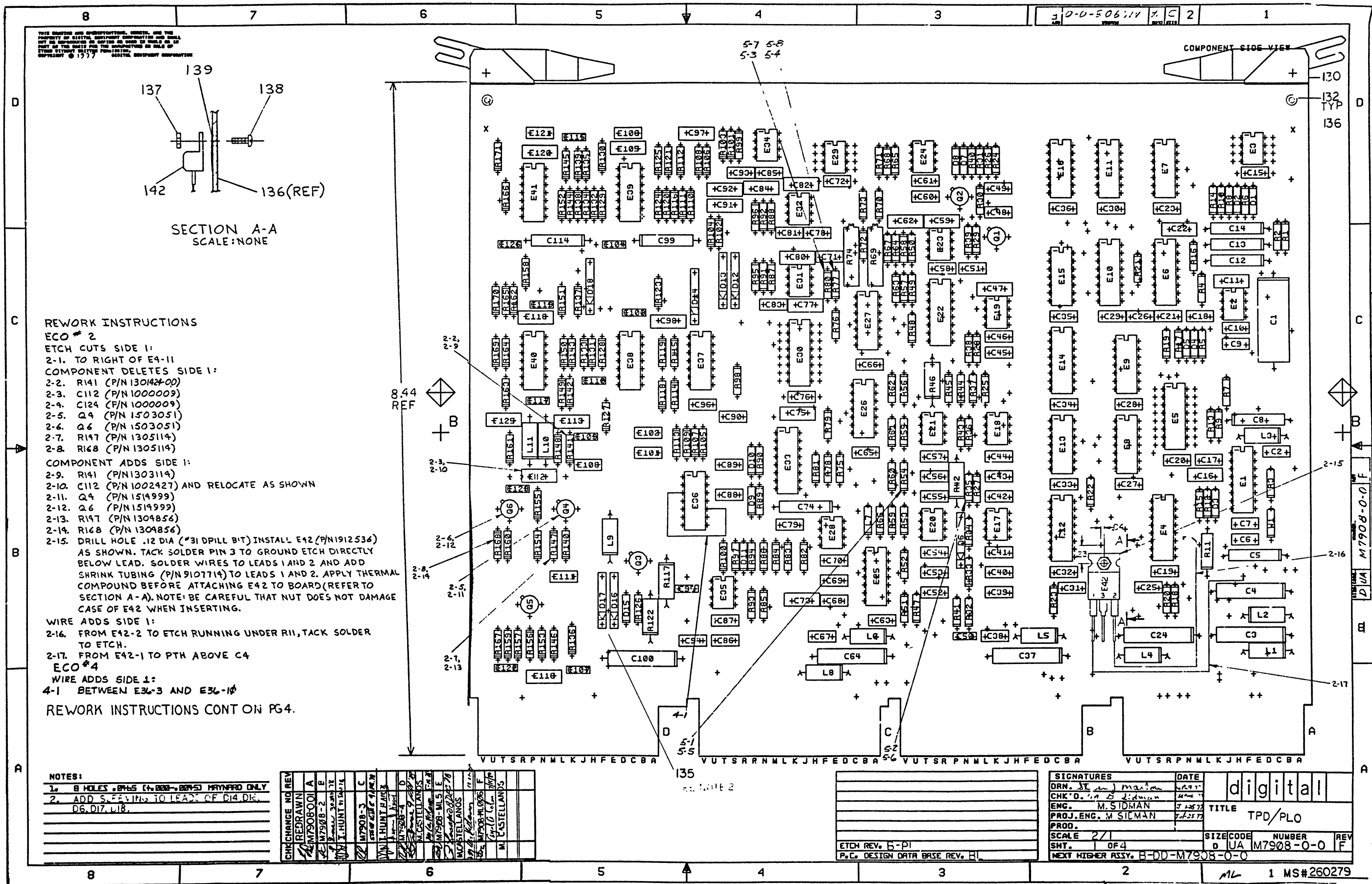
PARTS LIST

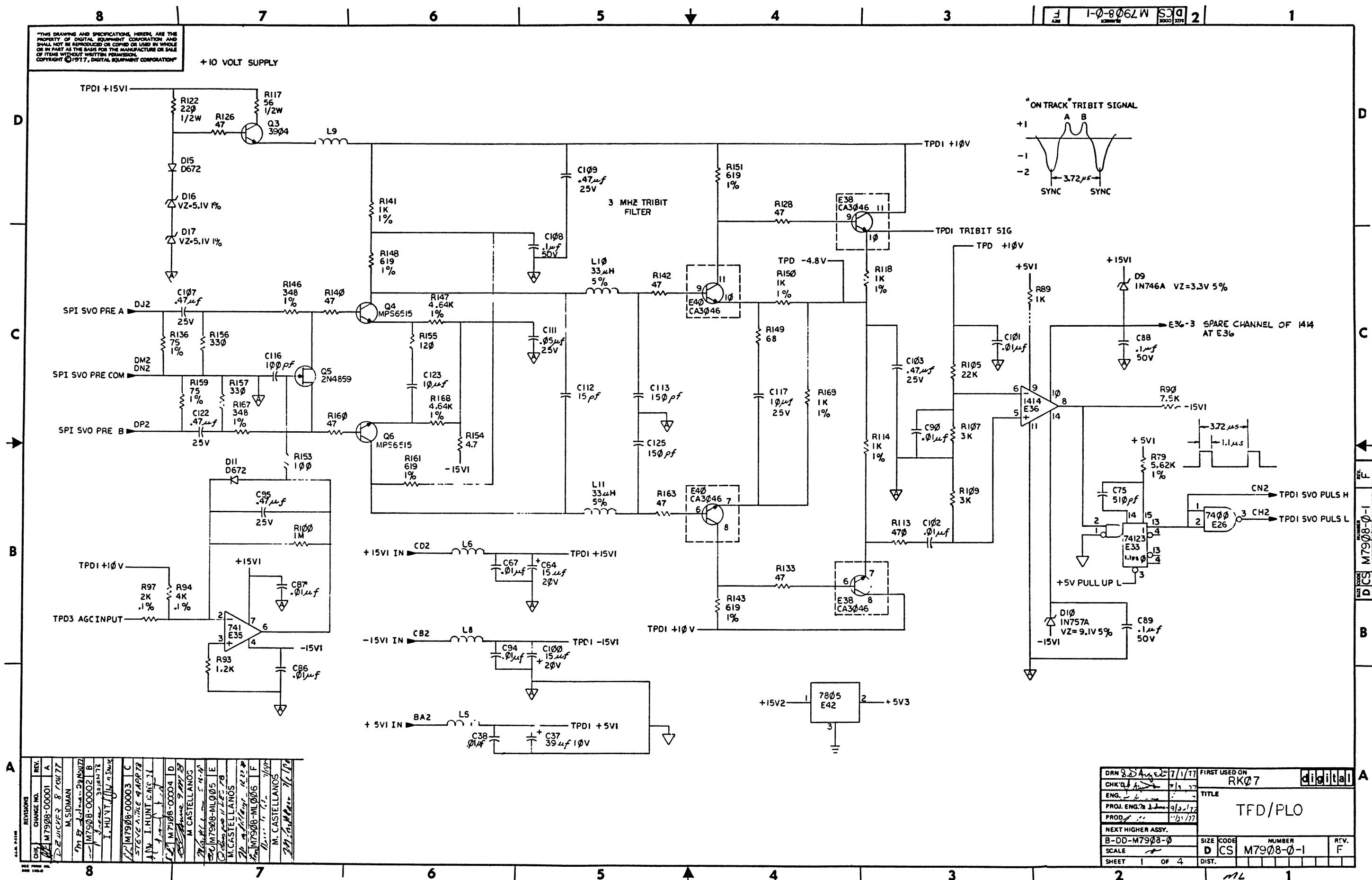
SHEET A3 OF A3

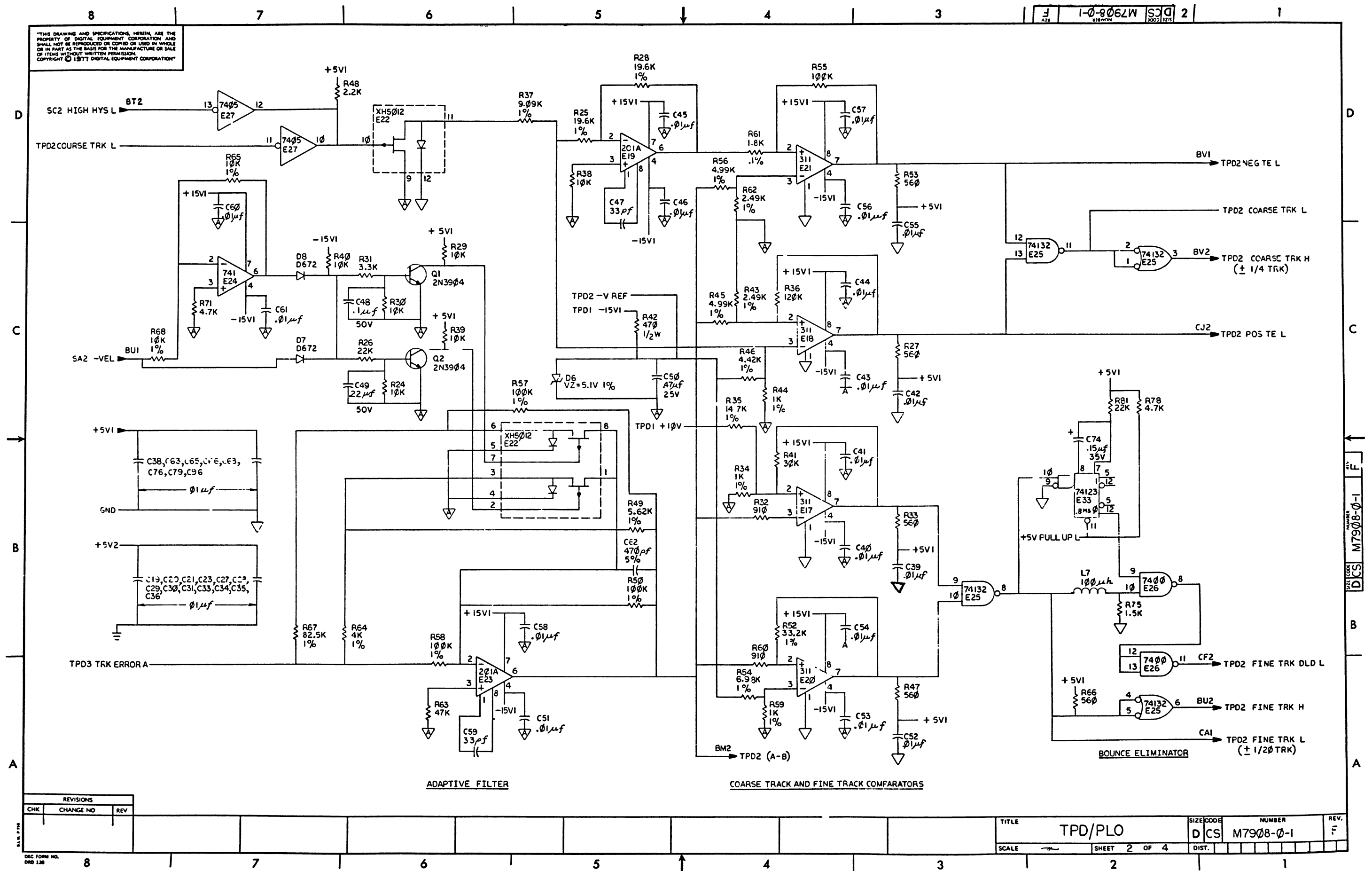
| LINE | ITEM | DOCUMENT NUMBER   | PART NUMBER | DESCRIPTION                      | QTY PER VARIATION<br>00 | REFERENCE DESIGNATOR  |
|------|------|-------------------|-------------|----------------------------------|-------------------------|-----------------------|
| 69   | 69   |                   | 1312987-00  | 10.50 K .25 W 1.0 % RN55D-F10    | 1                       | R147                  |
| 70   | 70   |                   | 1312988-00  | 49.90 K .25 W 1.0 % RN55D-F10    | 2                       | R133,R143             |
| 71   | 71   |                   | 1312989-00  | 17.80 K .25 W 1.0 % RN55D-F10    | 1                       | R142                  |
| 72   | 72   |                   | 1312990-00  | 12.70 K .25 W 1.0 % RN55D 10     | 1                       | R148                  |
| 73   | 73   |                   | 1301425-00  | 300.0 .25 W 5.0 % CC             | 1                       | R177                  |
| 74   | 74   |                   | 1304855-00  | 9.09 K .25 W 1.0 % RN55D-F10     | 2                       | R2,R4                 |
| 75   | 75   |                   | 1501881-00  | DEC2219 NPN 3WC SI 30100         | 2                       | Q17,Q18               |
| 76   | 76   |                   | 1509525-00  | 2N 3906 PNP 310MW SI 40100 Y     | 9                       | Q1-Q8,Q19             |
| 77   | 77   |                   | 1511095-00  | 2N 5638 FET 310MW SIN CHNNL      | 9                       | Q9-Q16,Q20            |
| 78   | 78   |                   | 1302645-00  | 1.10 K .25 W 1.0 % RN55D-F10     | 1                       | R149                  |
| 79   | 79   |                   | 1905547-00  | 7474 FF-D DUAL,EDGE TRIGG        | 2                       | E36,E37               |
| 80   | 80   |                   | 1905576-00  | 7410 NAND GATE-TRIPLE 3IN        | 1                       | E46                   |
| 81   | 81   |                   | 1905577-00  | 7420 NAND GATE-DUAL 4INPU        | 1                       | E38                   |
| 82   | 82   |                   | 1905590-00  | DEC 7401 NAND GATE-QUAD 2IN,0    | 1                       | E35                   |
| 83   | 83   |                   | 1910282-00  | 301AN OP AMP                     | 5                       | E1-E4,E21             |
| 84   | 84   |                   | 1909686-00  | 7404 INVERTER GATE-HEX 1I        | 1                       | E30                   |
| 85   | 85   |                   | 1910018-00  | DEC 74193 COUNTER,SYNCH. UP/D    | 2                       | E27,E34               |
| 86   | 86   |                   | 1910155-00  | DEC 7408 AND GATE,POS.QUAD 2I    | 1                       | E43                   |
| 87   | 87   |                   | 1910298-00  | 741 OP AMP GEN PURP. COM         | 1                       | E9                    |
| 88   | 88   |                   | 1910436-00  | DEC 74123 ONE SHOT-DUAL,RETRIG   | 2                       | E39,E45               |
| 89   | 89   |                   | 1911143-00  | DEC 201A OP AMP                  | 10                      | E6-E8,E11,E13-E17,E25 |
| 90   | 90   |                   | 1911324-00  | 7414 INVERTER,HEX 1IN SCH        | 2                       | E32,E44               |
| 91   | 91   |                   | 1911629-00  | 1408L8 DAC, 8BIT                 | 2                       | E10,E33               |
| 92   | 92   |                   | 1911637-00  | 74132 NAND GATE-QUAD 2 IN        | 2                       | E31,E41               |
| 93   | 93   |                   | 1911706-00  | 5012 ANALOG SWITCH,4CHNL         | 3                       | E12,E19,E20           |
| 94   | 94   |                   | 1914140-00  | LM 311N VOLT CMPRTR              | 5                       | E22-E24,E26,E28       |
| 95   | 95   | USE UNDER Q17,Q18 | 9007200-00  | TRANSIPADS #10134                | 2                       | S1,S2                 |
| 96   | 96   |                   | 1210209-00  | SW,TOG,SPDT,.01A26V,ON/ON,SUBMIN | 2                       |                       |
| 97   | 97   |                   | 9000024-01  | EYELET,ROLLED FLANGE,.121 OD X   | 8                       |                       |
| 98   | 98   |                   | 9007791-00  | TERM PCB 2POS SOLDER,TURRET      | 10                      | TP1-TP10              |
| 99   | 99   |                   | 9009185-00  | JUMPER,WIRE,INSULATED,BLACK B    | 2                       | W1,W2                 |
| 100  | 100  |                   | 1213113-01  | HANDLE,MODULE                    | 1                       |                       |
| 101  | 101  |                   | 9105740-55  | *** THIS ITEM IS NOT USED ***    | -                       |                       |
| 102  | 102  |                   | 9107256-11  | *** THIS ITEM IS NOT USED ***    | -                       |                       |
| 103  | 103  |                   | 9107295-10  | *** THIS ITEM IS NOT USED ***    | -                       |                       |
| 104  | 104  |                   | 1103441-00  | 1N 756A VZ= 8.2 5% .40W P        | 2                       | D1,D2                 |
| 105  | 105  | D-CS-M7906-0-1    |             | CIRCUIT SCHEMATIC                | REF                     |                       |
| 106  | 106  | D-UA-M7906-0-0    |             | UNIT ASSEMBLY                    | REF                     |                       |
| 107  | 107  | B-DD-M7906-0-0    |             | DRAWING DIRECTORY                | REF                     |                       |
| 108  | 108  | D-MD-5012848-0-0  |             | DRILL AND ETCH DRAWING           | REF                     |                       |
| 109  | 109  | D-EC-5012848-0-0  |             | ETCH CUT DRAWING                 | REF                     |                       |

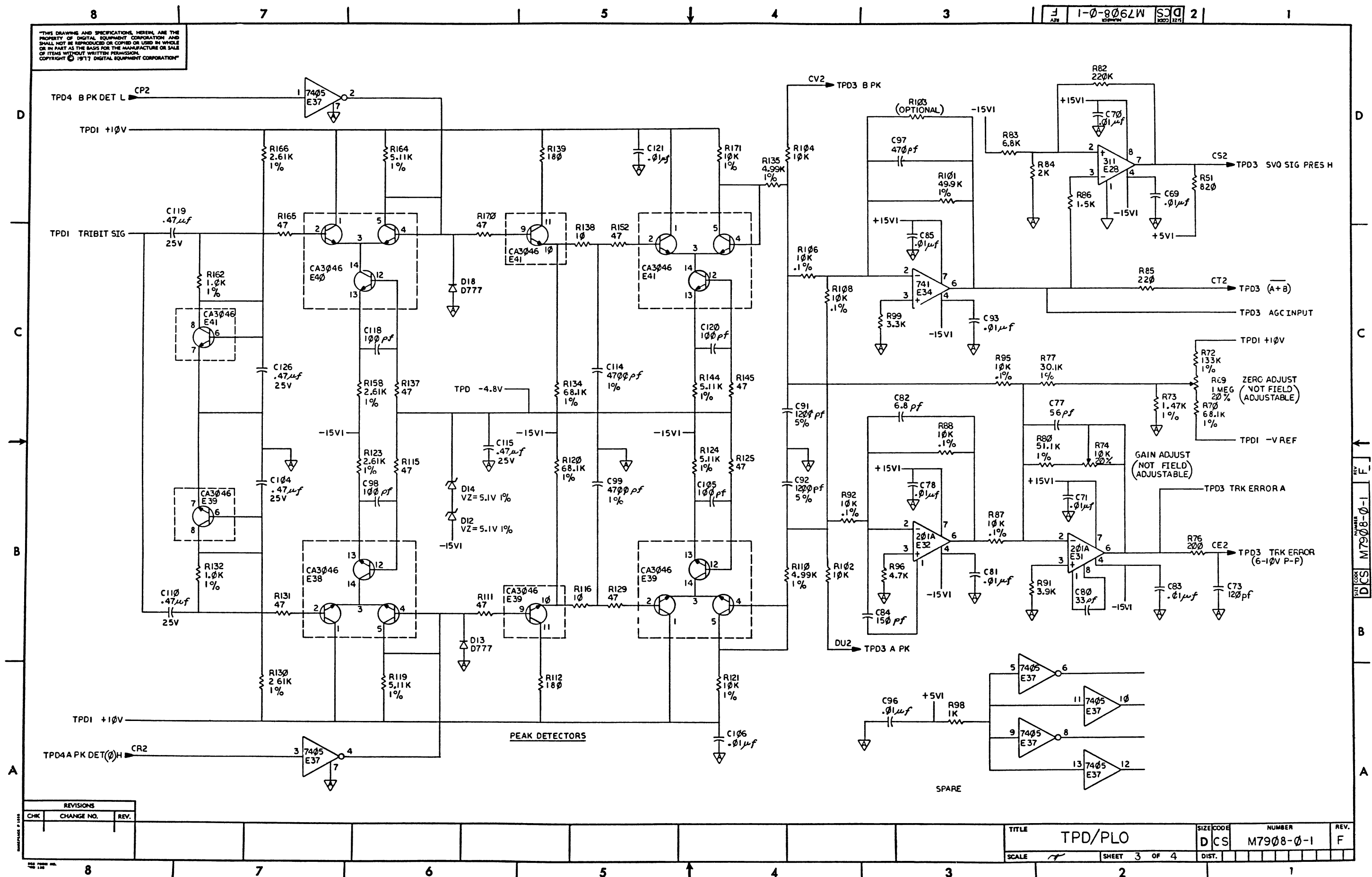
110 NOTE: USED ON:OPTION/MODEL RK07  
111 NOTE: I.C.SPARES-E5,E18,E29,E40,E42

|   |   |   |   |   |   |   |              |                |      |      |                 |     |
|---|---|---|---|---|---|---|--------------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE        | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | SERVO ANALOG |                | K    | PL   | M7906-0-DBP     | H   |

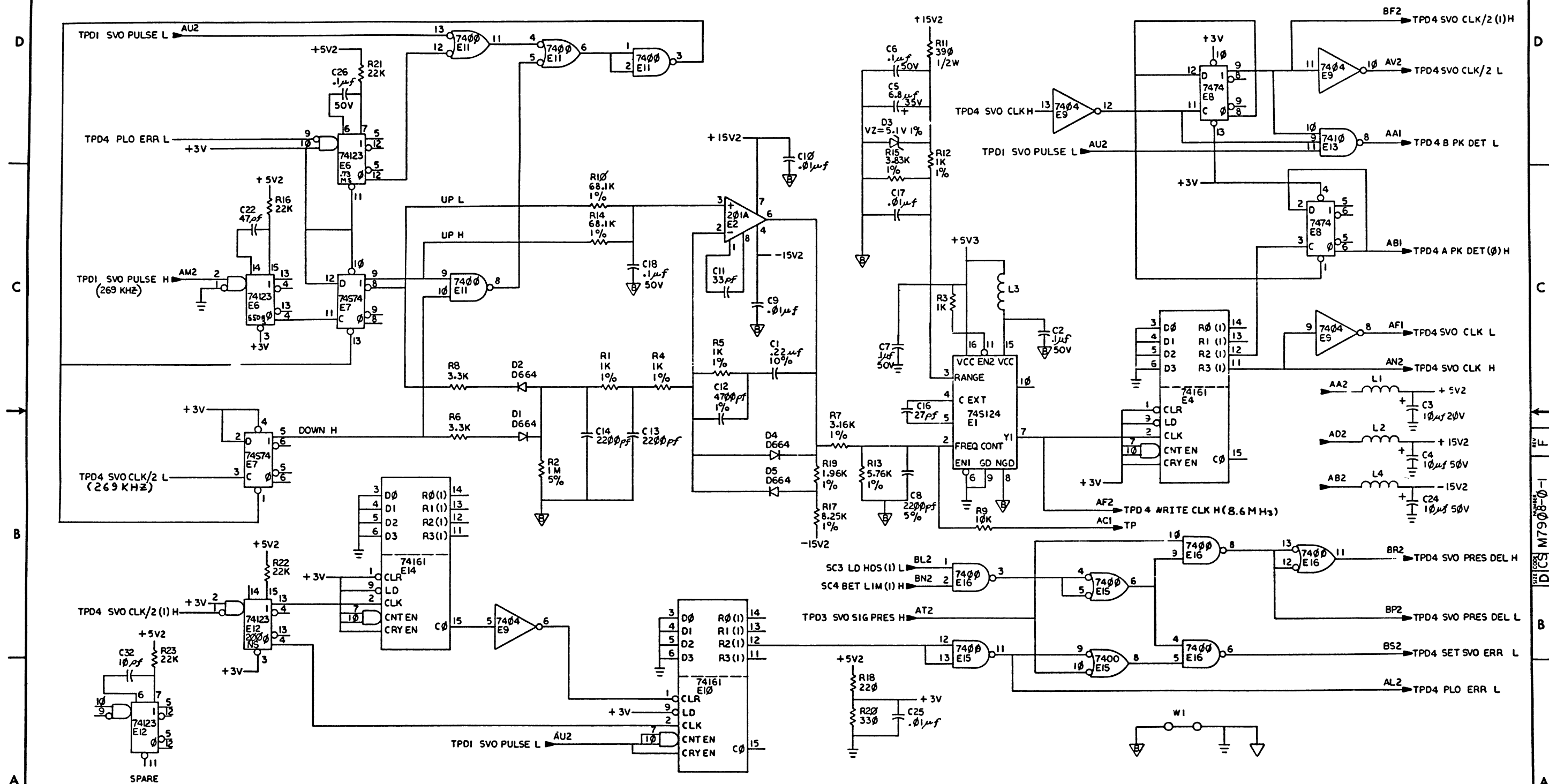












| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

SHEET A1 OF A4

| REVISION HISTORY |             |     | BASIC PART NO: M7908    |  | DRN: S MARLOW       |  | DATE: 28-MAR-78      |  | D I G I T A L   |  |               |  |
|------------------|-------------|-----|-------------------------|--|---------------------|--|----------------------|--|-----------------|--|---------------|--|
| ENG              | ECO NUMBER  | REV | SECTION A OF A          |  | CHK'D: P BOSSMAN    |  | DATE: 28-MAR-78      |  | TITLE           |  | PARTS LIST    |  |
| D.R              | 00003       | C   | SECTION VARIATION INDEX |  | CHK'D: P BOSSMAN    |  | DATE: 28-MAR-78      |  | TPD/PLO         |  |               |  |
| R.R              | 00004       | D   | [A] 00                  |  |                     |  |                      |  |                 |  |               |  |
| M.C              | M7908-ML005 | E   | [B]                     |  | DES.ENG: M SIDMAN   |  | DATE: 28-MAR-78      |  |                 |  |               |  |
| MC               | ML006       | F   | [C]                     |  |                     |  |                      |  |                 |  |               |  |
|                  |             |     | [D]                     |  |                     |  |                      |  |                 |  |               |  |
|                  |             |     | [E]                     |  |                     |  |                      |  |                 |  |               |  |
|                  |             |     | [F]                     |  | RESP.ENG.: M SIDMAN |  | DATE: 28-MAR-78      |  |                 |  |               |  |
|                  |             |     | [H]                     |  |                     |  |                      |  | DOCUMENT NUMBER |  |               |  |
|                  |             |     | [J]                     |  |                     |  |                      |  | SIZE CODE       |  | NUMBER REV    |  |
|                  |             |     | [K]                     |  | MFG.ENG.: M SIDMAN  |  | DATE: 28-MAR-78      |  | K PL            |  | M7908-0-DBP F |  |
|                  |             |     | [L]                     |  |                     |  |                      |  |                 |  |               |  |
|                  |             |     | [M]                     |  | ASSEMBLY NUMBER:    |  | TOP DOCUMENT NUMBER: |  | FILE NAME:      |  | EDIT #        |  |
|                  |             |     | [N]                     |  | D-UA-M7908-0-0      |  | RK07                 |  | Z1560F.PLS      |  | 11            |  |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT (C) 1981, DIGITAL EQUIPMENT CORPORATION"

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                   | QTY | PER VARIATION | REFERENCE DESIGNATOR                                                                 |
|------|------|-----------------|-------------|-------------------------------|-----|---------------|--------------------------------------------------------------------------------------|
|      |      |                 |             |                               | 00  |               |                                                                                      |
| 27   | 27   |                 | 1010978-36  | .1 MFD 50V 10% CER            | 9   | CONT          | C110,C115,C119,C122,C126                                                             |
|      |      |                 |             |                               |     | CONT          | C2,C6,C7,C18,C26,C48,C88,C89,C108                                                    |
| 28   | 28   |                 | 1011895-00  | .15 MFD 35V 10% S.TANT        | 1   |               | C74                                                                                  |
| 29   | 29   |                 | 1100114-00  | D 664 QS\75PCB PIV= 25V SP    | 4   |               | D1,D2,D4,D5                                                                          |
| 30   | 30   |                 | 1103041-00  | DEC 777 QS=12PCB PIV= 8VS     | 2   |               | D13,D18                                                                              |
| 31   | 31   |                 | 1104860-00  | 1N 746A VZ= 3.3 5%            | 1   |               | D9                                                                                   |
| 32   | 32   |                 | 1105275-00  | D 672 TR= 15NS PIV= 60V SI    | 4   |               | D7,D8,D11,D15                                                                        |
| 33   | 33   |                 | 1105873-00  | 4M5-1A21 VZ= 5.1 1% .400W     | 6   |               | D3,D6,D12,D14,D16,D17                                                                |
| 34   | 34   |                 | 1109990-00  | 1N 757A VZ= 9.1 5% .40W P     | 1   |               | D10                                                                                  |
| 35   | 35   |                 | 1300202-00  | 47.0 .25 W 5.0 % CC           | 17  | CONT          | R111,R115,R125,R126,R128,R129,R131,R133,R137,R140,R142,R145,R152,R160,R163,R165,R170 |
|      |      |                 |             |                               |     | CONT          | R149                                                                                 |
| 36   | 36   |                 | 1300219-00  | 68.0 .25 W 5.0 % CC           | 1   |               | R153                                                                                 |
| 37   | 37   |                 | 1300229-00  | 100.0 .25 W 5.0 % CC          | 1   |               | R155                                                                                 |
| 38   | 38   |                 | 1300247-00  | 120.0 .25 W 5.0 % CC          | 1   |               | R18,R85                                                                              |
| 39   | 39   |                 | 1300271-00  | 220.0 .25 W 5.0 % CC          | 2   |               | R122                                                                                 |
| 40   | 40   |                 | 1300274-00  | 220.0 .50 W 5.0 % CC          | 1   |               | R20,R156,R157                                                                        |
| 41   | 41   |                 | 1300295-00  | 330.0 .25 W 5.0 % CC          | 3   |               | R11                                                                                  |
| 42   | 42   |                 | 1300308-00  | 390.0 .50 W 5.0 % CC          | 1   |               | R42                                                                                  |
| 43   | 43   |                 | 1300315-00  | 470.0 .50 W 5.0 % CC          | 1   |               | R113                                                                                 |
| 44   | 44   |                 | 1300316-00  | 470.0 .25 W 5.0 % CC          | 1   |               | R3,R89,R98                                                                           |
| 45   | 45   |                 | 1300365-00  | 1.0 K .25 W 5.0 % CC          | 3   |               | R75,R86                                                                              |
| 46   | 46   |                 | 1300391-00  | 1.50 K .25 W 5.0 % CC         | 2   |               | R107,R109                                                                            |
| 47   | 47   |                 | 1300432-00  | 3.0 K .25 W 5.0 % CC          | 2   |               | R6,R8,R31,R99                                                                        |
| 48   | 48   |                 | 1300439-00  | 3.30 K .25 W 5.0 % CC         | 4   |               | R91                                                                                  |
| 49   | 49   |                 | 1300444-00  | 3.9J K .25 W 5.0 % CC         | 1   |               | R71,R78,R96                                                                          |
| 50   | 50   |                 | 1300447-00  | 4.70 K .25 W 5.0 % CC         | 3   |               | R9,R24,R29,R30,R38-R40,R102,R104                                                     |
| 51   | 51   |                 | 1300479-00  | 10.0 K .25 W 5.0 % CC         | 9   |               | R36                                                                                  |
| 52   | 52   |                 | 1300539-00  | 120.0 K .25 W 5.0 % CC        | 1   |               | R52                                                                                  |
| 53   | 53   |                 | 1305420-00  | 33.20 K .25 W 1.0 % RN550-F10 | 1   |               | R116,R138                                                                            |
| 54   | 54   |                 | 1301317-00  | 10.0 .25 W 5.0 % CC           | 2   |               | R93                                                                                  |
| 55   | 55   |                 | 1301320-00  | 1.20 K .25 W 5.0 % CC         | 1   |               | R112,R139                                                                            |
| 56   | 56   |                 | 1301322-00  | 180.0 .25 W 5.0 % CC          | 2   |               | R90                                                                                  |
| 57   | 57   |                 | 1301422-00  | 7.50 K .25 W 5.0 % CC         | 1   |               | R83                                                                                  |
| 58   | 58   |                 | 1301423-00  | 6.80 K .25 W 5.0 % CC         | 1   |               | C112                                                                                 |
| 59   | 59   |                 | 1002427-00  | 15.0 MMF 100V 5%200PPM MICA   | 1   |               | R51                                                                                  |
| 60   | 60   |                 | 1301775-00  | 820.0 .25 W 5.0 % CC          | 1   |               | R64                                                                                  |
| 61   | 61   |                 | 1305127-00  | 4.0 K .25 W 1.0 % RN550-F10   | 1   |               | R16,R21-R23,R26,R81,R105                                                             |
| 62   | 62   |                 | 1301808-00  | 22.0 K .25 W 5.0 % CC         | 7   |               | R27,R33,R47,R53,R65                                                                  |
| 63   | 63   |                 | 1301890-00  | 560.0 .25 W 5.0 % CC          | 5   |               | R82                                                                                  |
| 64   | 64   |                 | 1302092-00  | 220.0 K .25 W 5.0 % CC        | 1   |               | R63                                                                                  |
| 65   | 65   |                 | 1302177-00  | 47.0 K .25 W 5.0 % CC         | 1   |               | R84                                                                                  |
| 66   | 66   |                 | 1302388-00  | 2.0 K .25 W 5.0 % CC          | 1   |               | R41                                                                                  |
| 67   | 67   |                 | 1302394-00  | 30.0 K .25 W 5.0 % CC         | 1   |               | R55                                                                                  |
| 68   | 68   |                 | 1302466-00  | 100.0 K .25 W 5.0 % CC        | 1   |               | R94                                                                                  |
| 69   | 69   |                 | 1305354-00  | 4.0 K .25 W .10% RN550-B 5    | 1   |               | R13                                                                                  |
| 70   | 70   |                 | 1302859-00  | 5.76 K .25 W 1.0 % RN550-F10  | 1   |               |                                                                                      |

|   |   |   |   |   |   |   |       |         |                |      |      |                 |     |
|---|---|---|---|---|---|---|-------|---------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE | TPD/PL0 | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   |       |         |                | K    | PL   | M7908-0-DBP     | F   |

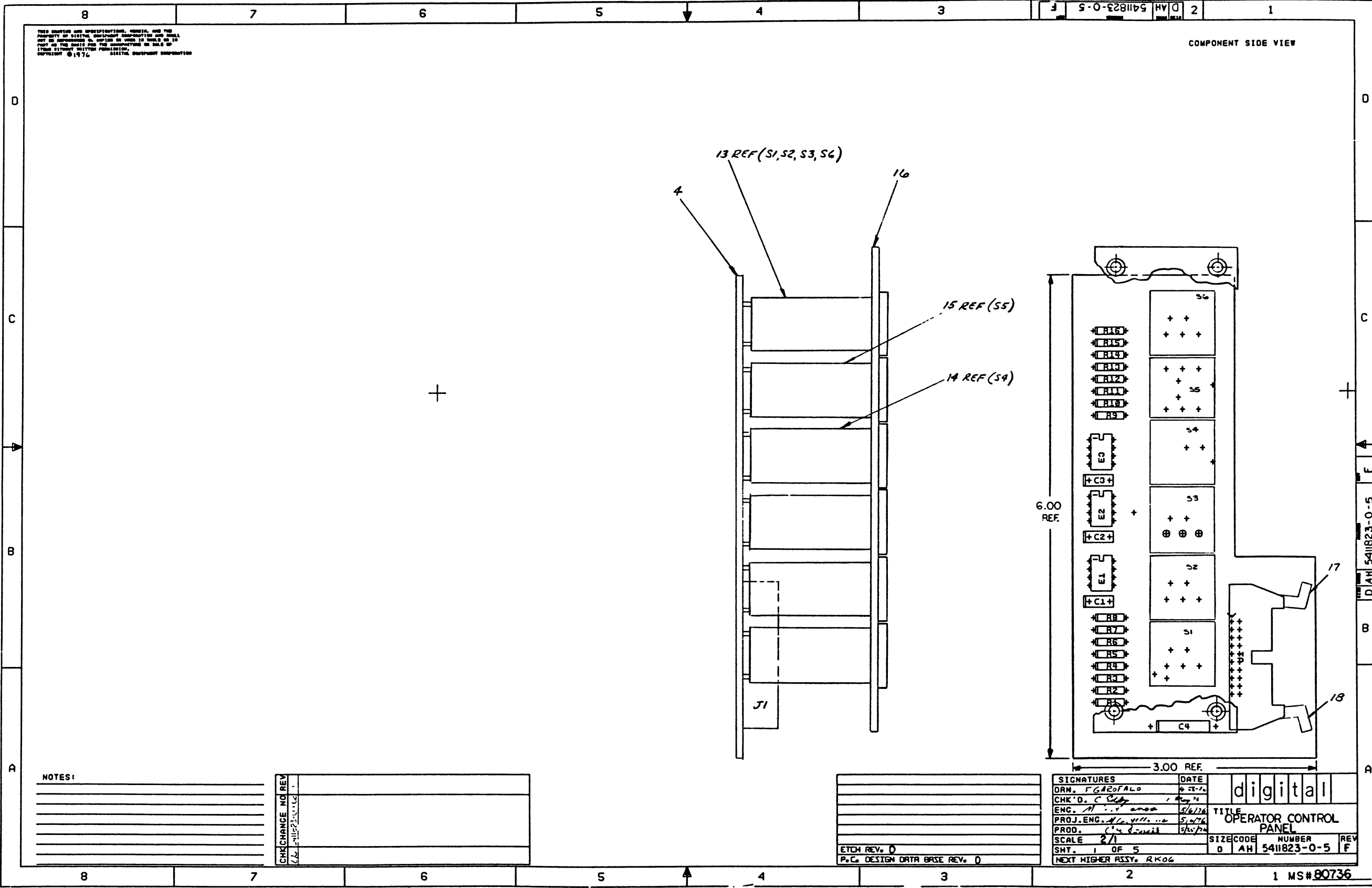
| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                      | QTY | PER VARIATION | REFERENCE DESIGNATOR                                                                    |
|------|------|-----------------|-------------|----------------------------------|-----|---------------|-----------------------------------------------------------------------------------------|
|      |      |                 |             |                                  | 00  |               |                                                                                         |
| 71   | 71   |                 | 1311522-00  | 200.0 .25 W 5.0 % CC             | 1   |               | R76                                                                                     |
| 72   | 72   |                 | 1303044-00  | 100.0 K .25 W 1.0 % RN55D-F10    | 3   |               | R50,R57,R58                                                                             |
| 73   | 73   |                 | 1300417-00  | 2.20 K .25 W 5.0 % CC            | 1   |               | R48                                                                                     |
| 74   | 74   |                 | 1312626-00  | 2.49 K .25 W 1.0 % RN55D-F10     | 2   |               | R43,R62                                                                                 |
| 75   | 75   |                 | 1303045-00  | 3.16 K .25 W 1.0 % RN55D-F10     | 1   |               | R7                                                                                      |
| 76   | 76   |                 | 1303064-00  | 75.0 .25 W 1.0 % RN55D-F10       | 2   |               | R136,R159                                                                               |
| 77   | 77   |                 | 1303114-00  | 1.0 K .25 W 1.0 % RN55D-F10      | 14  | CONT          | R1,R4,R5,R12,R34,R44,R59,R114,<br>R118,R132,R150,R162,R169,R141,<br>R123,R130,R158,R166 |
| 78   | 78   |                 | 1303303-00  | 2.61 K .25 W 1.0 % RN55D-F10     | 4   |               |                                                                                         |
| 79   | 79   |                 | 1303311-00  | *** THIS ITEM IS NOT USED ***    | -   |               |                                                                                         |
| 80   | 80   |                 | 1303312-00  | 10.0 K .25 W 1.0 % RN55D-F10     | 4   |               | R65,R68,R121,R171                                                                       |
| 81   | 81   |                 | 1304833-00  | 1.96 K .25 W 1.0 % RN55D-F10     | 1   |               | R19                                                                                     |
| 82   | 82   |                 | 1304854-00  | 5.11 K .25 W 1.0 % RN55D-F10     | 4   |               | R119,R124,R144,R164                                                                     |
| 83   | 83   |                 | 1304855-00  | 9.09 K .25 W 1.0 % RN55D-F10     | 1   |               | R37                                                                                     |
| 84   | 84   |                 | 1304858-00  | 248.0 .25 W 1.0 % RN55D-F10      | 2   |               | R146,R167                                                                               |
| 85   | 85   |                 | 1305108-00  | 1.47 K .25 W 1.0 % RN55D-F10     | 1   |               | R73                                                                                     |
| 86   | 86   |                 | 1304856-00  | 4.64 K .25 W 1.0 % RN55D-F10     | 2   |               | R147,R168                                                                               |
| 87   | 87   |                 | 1305126-00  | 619.0 .25 W 1.0 % RN55D-F10      | 4   |               | R143,R148,R151,R161                                                                     |
| 88   | 88   |                 | 1305128-00  | 5.62 K .25 W 1.0 % RN55D-F10     | 2   |               | R49,R79                                                                                 |
| 89   | 89   |                 | 1305130-00  | 133.0 K .25 W 1.0 % RN55D-F10    | 1   |               | R72                                                                                     |
| 90   | 90   |                 | 1305252-00  | 68.10 K .25 W 1.0 % RN55D-F10    | 5   |               | R10,R14,R70,R120,R134                                                                   |
| 91   | 91   |                 | 1305324-00  | 4.99 K .25 W 1.0 % RN55D-F10     | 4   |               | R45,R56,R110,R135                                                                       |
| 92   | 92   |                 | 1305353-00  | 2.0 K .25 W .10% RN55C-B 5       | 1   |               | R97                                                                                     |
| 93   | 93   |                 | 1305374-00  | 910.0 .25 W 5.0 % CC             | 2   |               | R32,R60                                                                                 |
| 94   | 94   |                 | 1305431-00  | 10.0 K .25 W .10% RN55E-B 2      | 6   |               | R87,R88,R92,R95,R106,R108                                                               |
| 95   | 95   |                 | 1309143-18  | 1.0 M .75 W20.0 % POT            | 1   |               | R69                                                                                     |
| 96   | 96   |                 | 1309143-10  | 10.0 K .75 W10.0 % POT           | 1   |               | R74                                                                                     |
| 97   | 97   |                 | 1309295-00  | 1.80 K .25 W .10% RN55E-B 2      | 1   |               | R61                                                                                     |
| 98   | 98   |                 | 1309314-03  | 4.42 K .50 W 1.0 % RN60D-F10     | 1   |               | R46                                                                                     |
| 99   | 99   |                 | 1309413-00  | 3.83 K .25 W 1.0 % RN55D-F10     | 1   |               | R15                                                                                     |
| 100  | 100  |                 | 1309419-00  | 19.60 K .25 W 1.0 % RN55D-F10    | 2   |               | R25,R28                                                                                 |
| 101  | 101  |                 | 1309420-00  | 8.25 K .25 W 1.0 % RN55D-F10     | 1   |               | R17                                                                                     |
| 102  | 102  |                 | 1309595-00  | 1.0 M .25 W 5.0 % CC             | 2   |               | R2,R100                                                                                 |
| 103  | 103  |                 | 1309995-00  | 56.0 .50 W 5.0 % CC              | 1   |               | R117                                                                                    |
| 104  | 104  |                 | 1310636-00  | 82.50 K .25 W 1.0 % RN55D-F10    | 1   |               | R67                                                                                     |
| 105  | 105  |                 | 1312988-00  | 49.90 K .25 W 1.0 % RN55D-F10    | 1   |               | R101                                                                                    |
| 106  | 106  |                 | 1000018-00  | 120.0 MMF 100V 5%200PPM MICA     | 1   |               | C73                                                                                     |
| 107  | 107  |                 | 1514999-00  | MPS6515 NPN 350MW SI 25 250      | 2   |               | Q4,Q6                                                                                   |
| 108  | 108  |                 | 1509524-00  | 2N 3904 NPN 310MW SI 40 40 M     | 3   |               | Q1-Q3                                                                                   |
| 109  | 109  |                 | 1509900-00  | 2N 4859 FET 360MW SIN CHNNL      | 1   |               | Q5                                                                                      |
| 110  | 110  |                 | 1601759-00  | 33 UH 5% 300MA                   | 2   |               | L10,L11                                                                                 |
| 111  | 111  |                 | 1610662-00  | 100.0 UH 10% 165MA #DD1 00       | 1   |               | L7                                                                                      |
| 112  | 112  |                 | 1611257-01  | CHOKE(CERAMIC BEAD)AXIAL LEAD,ON | 8   |               | L1-L6,L8,L9                                                                             |
| 113  | 113  |                 | 1010866-02  | 10 MFD 25V +50-20% S.TANT        | 2   |               | C117,C123                                                                               |
| 114  | 114  |                 | 1905547-00  | 7474 FF-D DUAL EDGE TRIGG        | 1   |               | E8                                                                                      |
| 115  | 115  |                 | 1905575-00  | 7400 NAND GATE-QUAD 2IN          | 4   |               | E11,E15,E16,E26                                                                         |
| 116  | 116  |                 | 1905576-00  | 7410 NAND GATE-TRIPLE 3IN        | 1   |               | E13                                                                                     |
| 117  | 117  |                 | 1909686-00  | 7404 INVERTER GATE-HEX 1I        | 1   |               | E9                                                                                      |

|   |   |   |   |   |   |   |         |                |      |      |                 |     |
|---|---|---|---|---|---|---|---------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE   | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | TPD/PL0 |                | K    | PL   | M7908-Q-DBP     | F   |

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                      | QTY<br>00 | PER VARIATION | REFERENCE DESIGNATOR |
|------|------|-----------------|-------------|----------------------------------|-----------|---------------|----------------------|
| 118  | 118  |                 | 1909930-00  | 7405 INVERTER GATE-HEX 11        | 2         |               | E27,E37              |
| 119  | 119  |                 | 1910298-00  | 741 OP AMP GEN PURP. COM         | 3         |               | E24,E34,E35          |
| 120  | 120  |                 | 1910337-00  | DEC 1414L VOLT.COMPARATOR,DUAL   | 1         |               | E36                  |
| 121  | 121  |                 | 1910436-00  | DEC 74123 ONE SHOT-DUAL,RETRIG   | 3         |               | E6,E12,E33           |
| 122  | 122  |                 | 1910544-00  | 74574 FF-D DUAL,EDGE TRIGG       | 1         |               | E7                   |
| 123  | 123  |                 | 1910650-00  | 74161 COUNTER,SYNCHR. UP         | 3         |               | E4,E10,E14           |
| 124  | 124  |                 | 1911143-00  | DEC 201A OP AMP                  | 5         |               | E2,E19,E23,E31,E32   |
| 125  | 125  |                 | 1911637-00  | 74132 NAND GATE-QUAD 2 IN        | 1         |               | E25                  |
| 126  | 126  |                 | 1911706-00  | 5012 ANALOG SWITCH,4CHNL         | 1         |               | E22                  |
| 127  | 127  |                 | 1911911-00  | DEC 745124 OSCILLATOR,DUAL VOLT  | 1         |               | E1                   |
| 128  | 128  |                 | 1913017-00  | 3046 XSISTOR ARRAY,3 ISOL        | 4         |               | E38-E41              |
| 129  | 129  |                 | 1914140-00  | LM 311N VOLT CMPRTR              | 5         |               | E17,E18,E20,E21,E28  |
| 130  | 130  |                 | 1213113-01  | HANDLE,MODULE                    | 1         |               |                      |
| 131  | 131  |                 | 1305890-00  | 4.70 .25 W 5.0 % CC              | 1         |               | R154                 |
| 132  | 132  |                 | 9000024-01  | EYELET,ROLL FLANGE .1210DX .192  | 8         |               |                      |
| 133  | 133  |                 | 9009185-00  | JUMPER, WIRE, INSULATED, BLACK B | 1         |               | W1                   |
| 134  | 134  |                 | 1010978-40  | .22 MFD 50V 10% CER              | 1         |               | C49                  |
| 135  | 135  |                 | 9107256-11  | TUBING,THIN WALL,.027ID UL       | A/R       |               |                      |
| 136  | 136  |                 | 5012933-00  | TPD/PL0                          | 1         |               |                      |
| 137  | 137  |                 | 9006557-00  | NUT,KEP 4-40X 1/4 AF             | 1         |               |                      |
| 138  | 138  |                 | 9008301-01  | SCREW,PAN,PHIL 4-40X 1/4 SS      | 1         |               |                      |
| 139  | 139  |                 | 9008268-00  | COMPOUND, THERMAL JOINT          | A/R       |               |                      |
| 140  | 140  |                 | 9107714-00  | TUBING,SHRINK 3/32DIA EXP UL     | A/R       |               |                      |
| 141  | 141  |                 | 9107776-66  | WIRE(WRAP)22AWG,IPVC UL1429 BL   | A/R       |               |                      |
| 142  | 142  | SEE NOTE 148    | 1912536-00  | DEC 7805 VOLT REG,FIX +5V        | 1         |               | E42                  |
| 143  | 143  |                 | 9105740-55  | WIRE(WRAP)30AWG UL1423           | A/R       |               |                      |
| 144  | 144  |                 | 1303305-00  | 6.98 K .25 W 1.0 % RN55D-F10     | 1         |               | R54                  |
| 145  | 145  |                 | 1302941-00  | 14.70 K .25 W 1.0 % RN55D-F10    | 1         |               | R35                  |
| 146  | 146  |                 | 1313476-00  | 51.10 K .25 W 1.0 % RN55D-F10    | 1         |               | R80                  |
| 147  | 147  |                 | 1311594-00  | 30.10 K .25 W 1.0 % RN55D-F10    | 1         |               | R77                  |

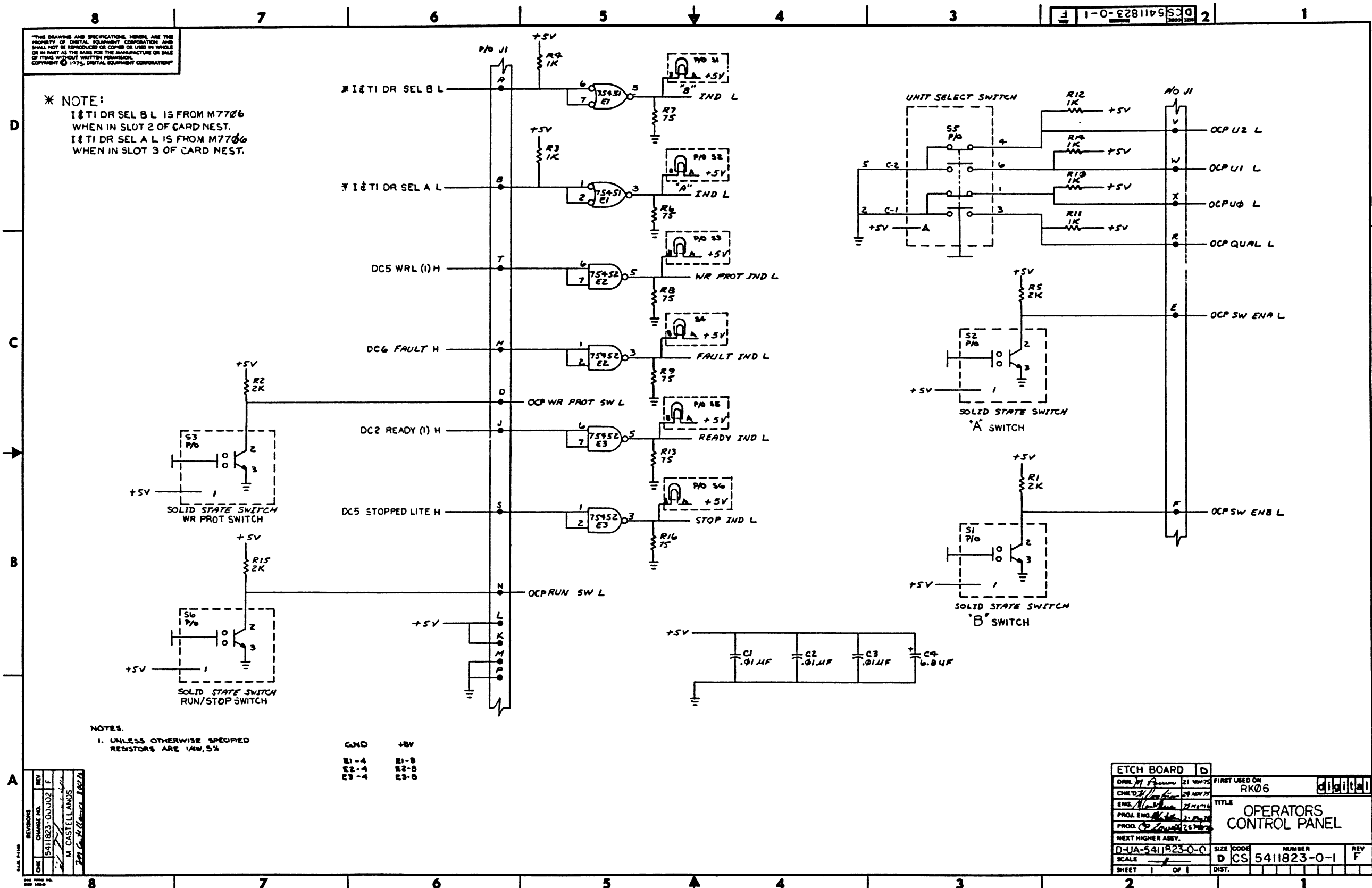
148 NOTE: P/N 19-12536-01, IC 7805 IS AN ACCEPTABLE ALTERNATE PART.

|   |   |   |   |   |   |   |       |         |           |      |      |      |                 |     |
|---|---|---|---|---|---|---|-------|---------|-----------|------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE | TPD/PL0 | SECTION A | OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   |       |         |           |      | K    | PL   | M7908-0-DBP     | F   |



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1973, DIGITAL EQUIPMENT CORPORATION

\* NOTE:  
I & T I DR SEL B L IS FROM M7706  
WHEN IN SLOT 2 OF CARD NEST.  
I & T I DR SEL A L IS FROM M7706  
WHEN IN SLOT 3 OF CARD NEST.



NOTES.  
1. UNLESS OTHERWISE SPECIFIED  
RESISTORS ARE 1/4W, 5%

GND +5V  
E1-4 E1-8  
E2-4 E2-8  
E3-4 E3-8

| REV | DATE   | BY      | CHK |
|-----|--------|---------|-----|
| 1   | 5/1/73 | 00002 F |     |
| 2   | 6/1/73 | 00002 F |     |
| 3   | 6/1/73 | 00002 F |     |

| ETCH BOARD        |        | D                       |
|-------------------|--------|-------------------------|
| DRN               | 1/1/73 | 21 NOV 73               |
| CHK'D             | 1/1/73 | 29 NOV 73               |
| ENG               | 1/1/73 | 29 NOV 73               |
| PROD. ENG.        | 1/1/73 | 29 NOV 73               |
| PROD.             | 1/1/73 | 29 NOV 73               |
| NEXT HIGHER ASSY. |        |                         |
| D-VA-5411823-0-0  |        |                         |
| SCALE             | 1      |                         |
| SHEET             | 1      | OF 1                    |
| FIRST USED ON     |        | RK06                    |
| TITLE             |        | OPERATORS CONTROL PANEL |
| SIZE              | CODE   | NUMBER                  |
| D                 | CS     | 5411823-0-1             |
| REV               |        | F                       |

|                                                         |                    |                                |                            |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
|---------------------------------------------------------|--------------------|--------------------------------|----------------------------|--|----------------------|--------------|----|-------------|-----|-----|-----|------|--|------------------|--|--|--|--|--|
| DIGITAL EQUIPMENT CORPORATION<br>MAYNARD, MASSACHUSETTS |                    |                                |                            |  | QUANTITY / VARIATION |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| <b>PARTS LIST</b>                                       |                    |                                |                            |  | ETCH REV D           |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| MADE BY M. Poirier                                      |                    |                                | CHECKED <i>H. Karajian</i> |  |                      | SECTION      |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| DATE 9/5/75                                             |                    |                                | DATE 18 NOV 75             |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| ENG <i>M. Carrellano</i>                                |                    |                                | PROD <i>C. E. Bowell</i>   |  |                      | ISSUED SECT. |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| DATE 5/25/76                                            |                    |                                | DATE 5-25-76               |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| ITEM NO.                                                | DWG NO. / PART NO. | DESCRIPTION                    |                            |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 1                                                       | D-CS-5411823-0-1   | OPERATORS CONTROL PANEL (C.S.) |                            |  | REF                  |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 2                                                       | D-AH-5411823-0-5   | ASSY/DRILLING HOLE LAYOUT      |                            |  | REF                  |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 3                                                       | B-MH-5411823-0-6   | MODULE ECO HISTORY             |                            |  | REF                  |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 4                                                       | 5011822            | ETCH CIRCUIT BOARD             |                            |  | 1                    |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 5                                                       | 1001610-00         | CAP .01UF 50V                  |                            |  | 3                    | C1           | C2 | C3          |     |     |     |      |  |                  |  |  |  |  |  |
| 6                                                       | 1005306-00         | CAP 6.8UF 35V 10% S.TANT       |                            |  | 1                    | C4           |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 7                                                       | 1302379-00         | RES 75 1/4W 5%                 |                            |  | 6                    | R6           | R7 | R8          | R9  | R13 | R16 |      |  |                  |  |  |  |  |  |
| 8                                                       | 1302388-00         | RES 2K 1/4W 5%                 |                            |  | 4                    | R1           | R2 | R5          | R15 |     |     |      |  |                  |  |  |  |  |  |
| 9                                                       | 1300365-00         | RES 1K 1/4W 5%                 |                            |  | 6                    | R3           | R4 | R10         | R11 | R12 | R14 |      |  |                  |  |  |  |  |  |
| 10                                                      | 1910406-00         | I.C. 75451                     |                            |  | 1                    | E1           |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 11                                                      | 1910645-00         | I.C. 75452                     |                            |  | 2                    | E2           | E3 |             |     |     |     |      |  |                  |  |  |  |  |  |
| 12                                                      | 1209941-06         | CONN 20 PIN                    |                            |  | 1                    | J1           |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 13                                                      | 1212718-00         | SWITCH, PUSHBUTTON             |                            |  | 4                    | S1           | S2 | S3          | S6  |     |     |      |  |                  |  |  |  |  |  |
| 14                                                      | 1212715-00         | INDICATOR ASSEMBLY             |                            |  | 1                    | S4           |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 15                                                      | 1212690-00         | UNIT SELECT BASE MODULE        |                            |  | 1                    | S5           |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 16                                                      | C-MD-7413938-0-0   | SWITCH MOUNTING BRACKET        |                            |  | 1                    |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 17                                                      | 1209941-03         | LATCH, LEFT                    |                            |  | 1                    |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| 18                                                      | 1209941-04         | LATCH, RIGHT                   |                            |  | 1                    |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
|                                                         |                    |                                |                            |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
|                                                         |                    |                                |                            |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
|                                                         |                    |                                |                            |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
|                                                         |                    |                                |                            |  |                      |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |
| TITLE                                                   |                    |                                | ASSY NO.                   |  | SIZE                 | CODE         |    | NUMBER      |     |     |     | REV. |  | ECO NO.          |  |  |  |  |  |
| OPERATORS CONTROL PANEL                                 |                    |                                | D-UA-5411823-0-0           |  | A                    | PL           |    | 5411823-0-0 |     |     |     | F    |  | 5411823<br>00002 |  |  |  |  |  |
|                                                         |                    |                                | SHEET 1 OF 1               |  | DIST.                |              |    |             |     |     |     |      |  |                  |  |  |  |  |  |



87-05411687AH

2

1

8

7

6

5

4

3

COMPONENT SIDE VIEW

NOTES:

CHANGE NO

REV

5411687-00003

E

J. CARTER

R. LANSON

4/1/77

SEE SHEET 2

SYMBOL

FIN HOLE SIZE

PLATED

NON PLATED

QTY.

OFF GAO HLR

DATE SIZE

HOLE DATA

BOARD FABRICATION INFORMATION

PANEL SIZE

PANEL DATA DVG. 8

PANEL MAT'L

QTY. OF LAYERS

COPPER THICKNESS

PTH. PRINT AND ETCH

MODULE INSERTED 188 TIMES OR MORE

SIGNATURES

DATE

DRN. J. CARTER

3-2-77

CHK'D

3-2-77

ENG. J. CARTER

4-1-77

PROJ. ENG. J. CARTER

4-1-77

PROD. J. CARTER

4-5-77

TITLE

SERVO PREAMP

SCALE

2/1

SHT. 1 OF 4

NEXT HIGHER ASSY. RKOG

SIZE CODE

NUMBER

REV

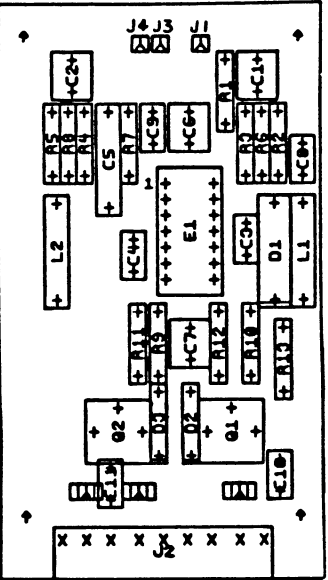
D

5411687-0-5

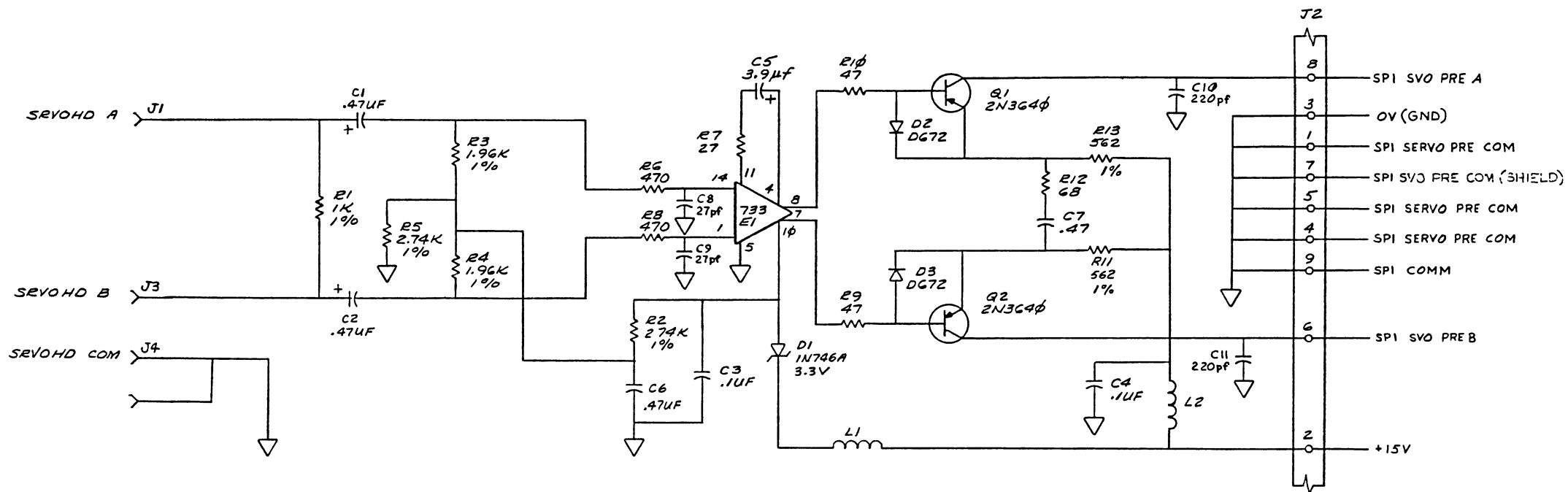
E

1

MS#



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976, DIGITAL EQUIPMENT CORPORATION"



|                  |           |                      |              |
|------------------|-----------|----------------------|--------------|
| ETCH REV D       |           |                      |              |
| DRN. P. Miller   | 2/6/76    | FIRST USED ON        | RK06         |
| CHK'D. P. Miller | 11 FEB 76 | TITLE                | SERVO PREAMP |
| ENG. P. Miller   |           | PROJ. ENG. P. Miller |              |
| PROD. P. Miller  |           | NEXT HIGHER ASSY.    |              |
| D-UA-5411687-0-0 | SIZE CODE | NUMBER               | REV.         |
| SCALE            | D         | CS 5411687-0-1       | F            |
| SHEET 1 OF 1     | DIST.     |                      |              |

|      |      |
|------|------|
| REV. | REV. |
| 1    | 1    |
| 2    | 2    |
| 3    | 3    |
| 4    | 4    |
| 5    | 5    |
| 6    | 6    |
| 7    | 7    |
| 8    | 8    |

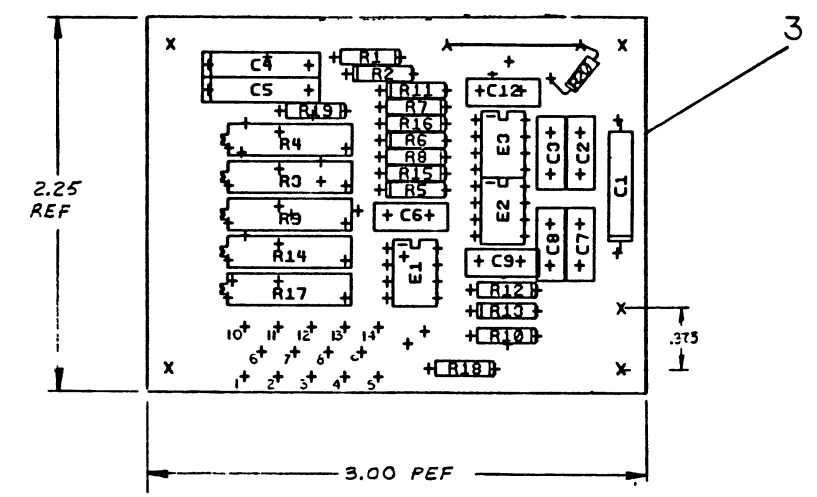
SHEET A1 OF A1

| REVISION HISTORY                                                                                                                                                                                                                                                                                            |               | BASIC PART NO: 5411687 | DRN:                    | LORA METZGER            | DATE: 16-JUL-80      | D               | I    | G             | I   | T      | A | L |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------|-------------------------|-------------------------|----------------------|-----------------|------|---------------|-----|--------|---|---|
| ENG                                                                                                                                                                                                                                                                                                         | ECO NUMBER    | REV                    | SECTION A OF A          |                         |                      | TITLE           |      |               |     |        |   |   |
| PC                                                                                                                                                                                                                                                                                                          | 5411687-MLOO4 | F                      | SECTION VARIATION INDEX | CHK'D: H. DARAKJIAN     | DATE: 16-JUL-80      | PARTS LIST      |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [A]                    | 00                      |                         |                      | SERVO PREAMP    |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [B]                    |                         |                         |                      |                 |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [C]                    |                         | DES.ENG: R. GUSTAFSON   | DATE: 16-JUL-80      |                 |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [D]                    |                         |                         |                      |                 |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [E]                    |                         |                         |                      |                 |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [F]                    |                         | RESP.ENG.: R. GUSTAFSON | DATE: 16-JUL-80      | DOCUMENT NUMBER |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [H]                    |                         |                         |                      | SIZE            | CODE | NUMBER        | REV |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [J]                    |                         |                         |                      |                 |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [K]                    |                         | MFG.ENG.: F.P.CARTAZZO  | DATE: 16-JUL-80      | K               | PL   | 5411687-0-DBP | F   |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [L]                    |                         |                         |                      |                 |      |               |     |        |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [M]                    |                         | ASSEMBLY NUMBER:        | TOP DOCUMENT NUMBER: | FILE NAME:      |      |               |     | EDIT # |   |   |
|                                                                                                                                                                                                                                                                                                             |               | [N]                    |                         | D-UA-5411687-0-0        |                      | Z1565F.PLS      |      |               |     | 2      |   |   |
| <p>"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.</p> <p>COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"</p> |               |                        |                         |                         |                      |                 |      |               |     |        |   |   |

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION"

**NOTES:**

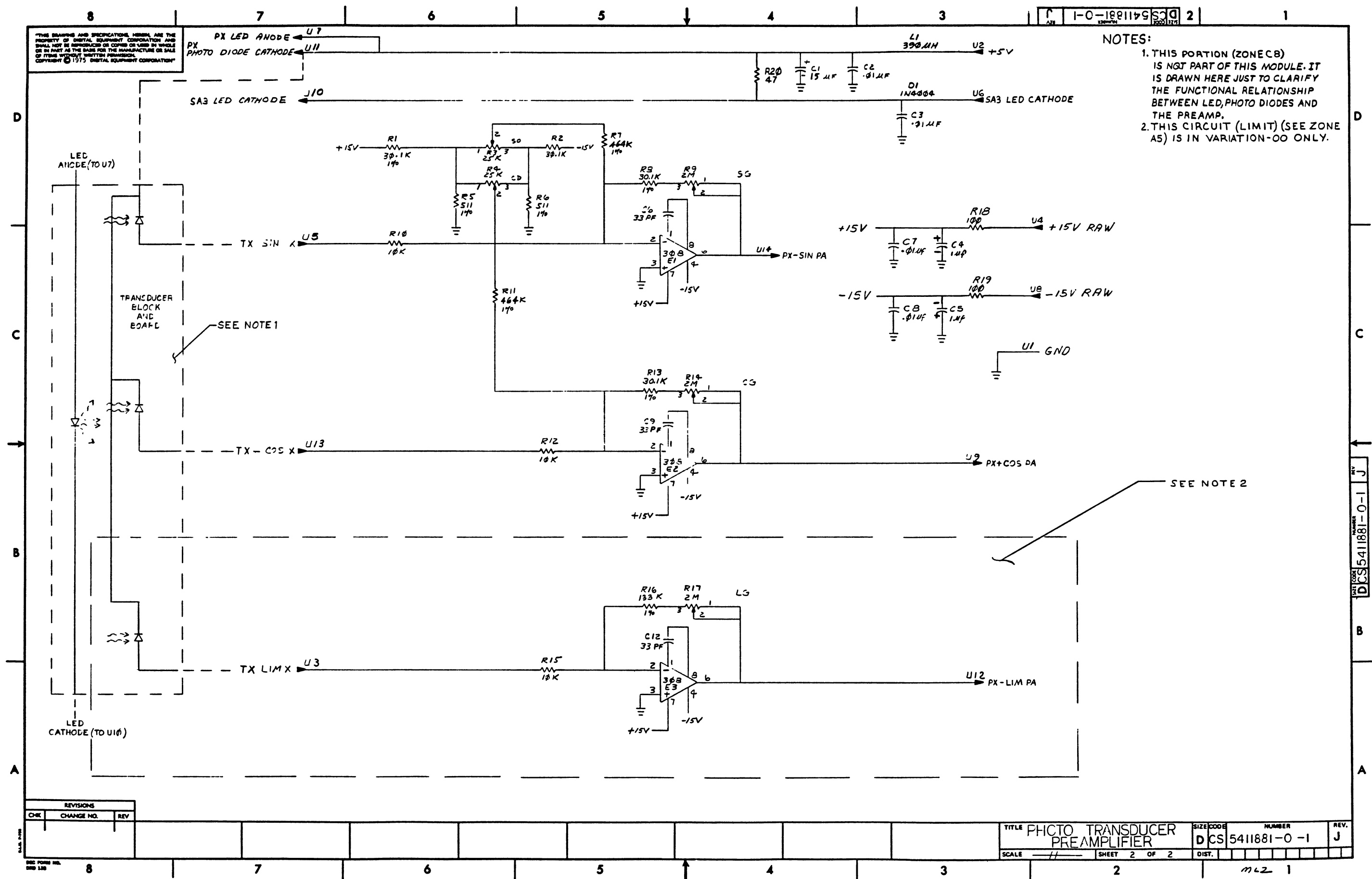
- \* 1 C12, R15, R16, R17, E3 ARE NOT USED OR INSTALLED IN YA VARIATION.



CAUTION:  
OFF SHEET PARTS LIST EXISTS  
SEE K-PL-5411881-O-DBP

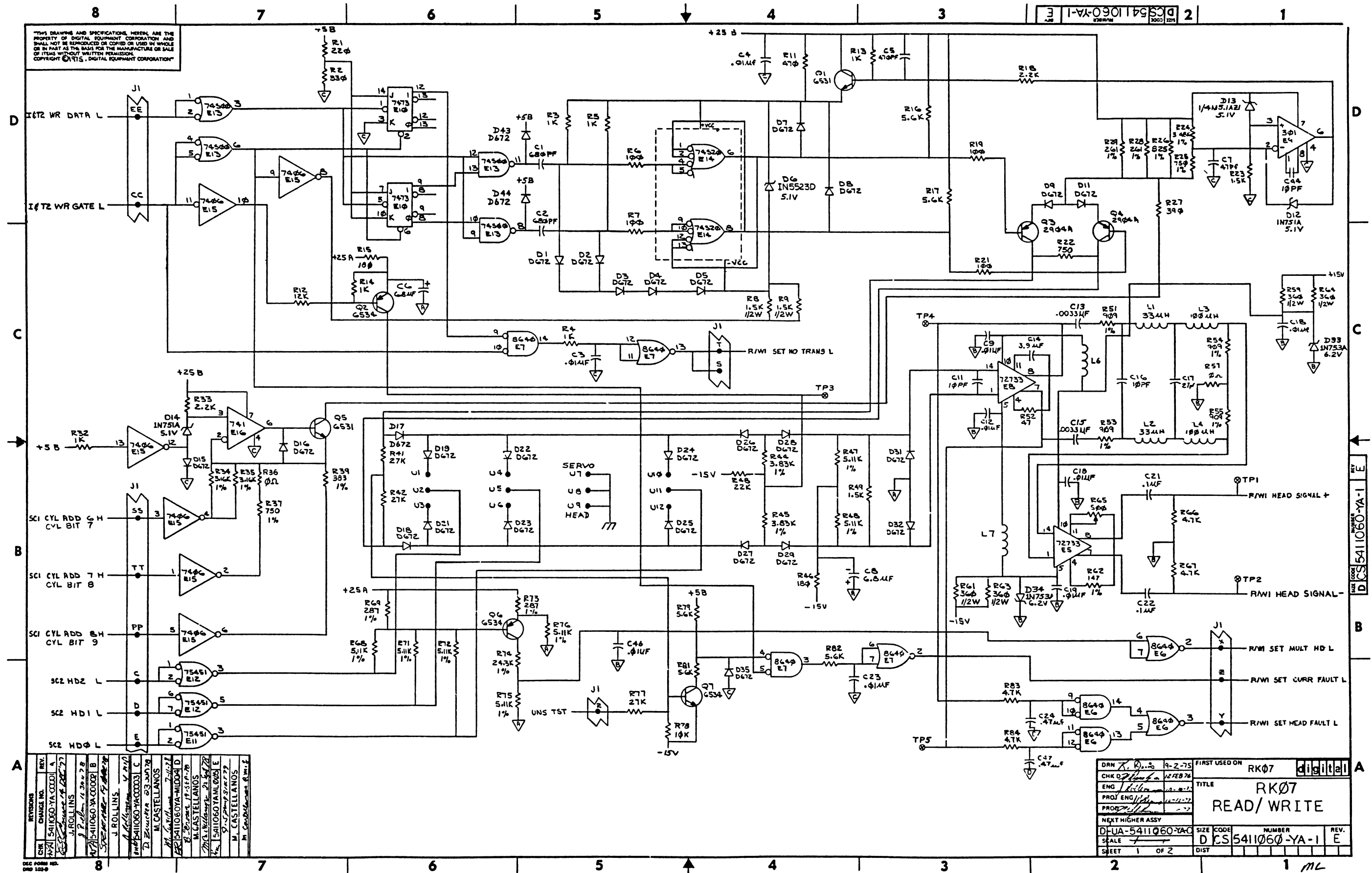
|                                |         |                  |            |                  |      |                                                                                           |      |        |  |          |  |          |  |
|--------------------------------|---------|------------------|------------|------------------|------|-------------------------------------------------------------------------------------------|------|--------|--|----------|--|----------|--|
| QTY                            |         | REF. DESIGNATION |            | DESCRIPTION      |      |                                                                                           |      |        |  | PART NO. |  | ITEM NO. |  |
| FIRST USED ON OPTION MODEL     |         |                  |            | PARTS LIST       |      |                                                                                           |      |        |  |          |  |          |  |
| ETCH BOARD REV.                |         | B                |            |                  |      |                                                                                           |      |        |  |          |  |          |  |
|                                |         |                  |            | DRAWN            | DATE | <div><div>digital</div><div>TITLE</div><div>PHOTO TRANSDUCER<br/>PREAMPLIFIER</div></div> |      |        |  |          |  | REV. J   |  |
|                                |         |                  | CHECKED    | DATE             |      |                                                                                           |      |        |  |          |  |          |  |
|                                |         |                  | ENG.       | DATE             |      |                                                                                           |      |        |  |          |  |          |  |
|                                |         |                  | PROJ. ENG. | DATE             |      |                                                                                           |      |        |  |          |  |          |  |
|                                |         |                  | PROD.      | DATE             |      |                                                                                           |      |        |  |          |  |          |  |
|                                |         |                  |            | NEXT HIGHER ASSY |      |                                                                                           |      |        |  |          |  |          |  |
| DEC NO.                        | EIA NO. | DEC NO.          | EIA NO.    | SCALE            |      | SIZE                                                                                      | CODE | NUMBER |  |          |  |          |  |
| SEMICONDUCTOR CONVERSION CHART |         |                  |            | SHEET 1 OF 2     |      | DIST.                                                                                     |      |        |  |          |  |          |  |

[illegible]

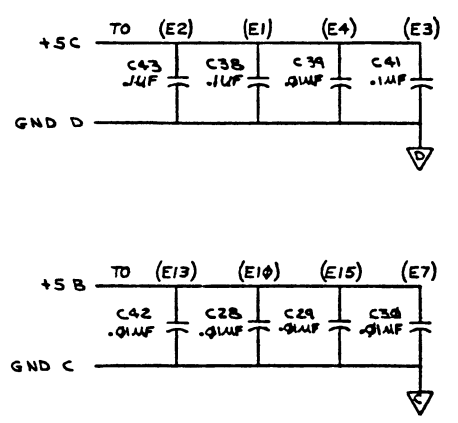
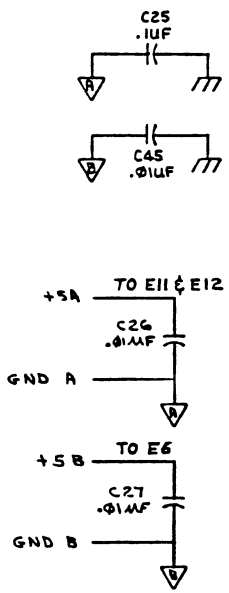
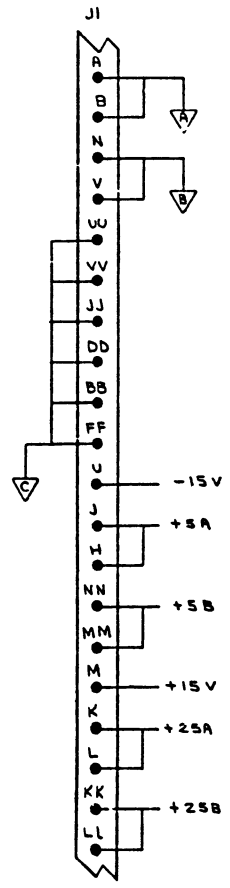
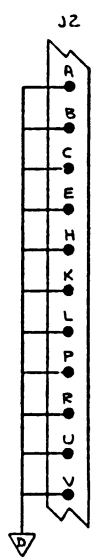
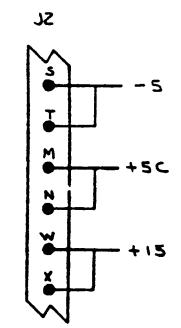
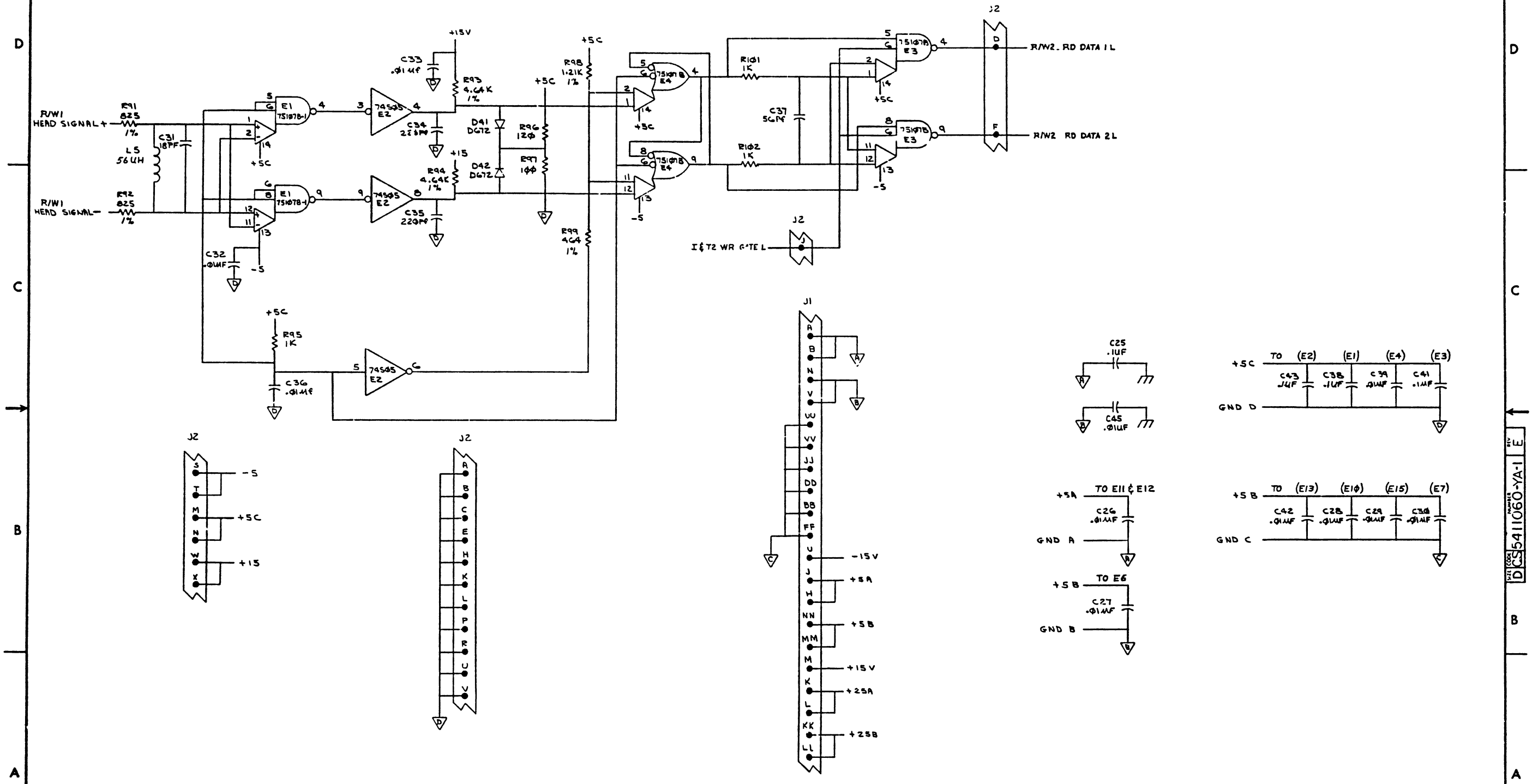


THIS DRAWING AND SPECIFICATIONS, HEREIN, AND THE  
PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL  
NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN  
PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF  
ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

ML 1 MS# 29000:"



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION.



| REVISIONS |           |      |
|-----------|-----------|------|
| CHK       | CHANGE NO | REV. |
|           |           |      |



SHEET A1 OF A3

| REVISION HISTORY |                 |     | BASIC PART NO: 5411060  |  | DRN: K.DAVIS    |  | DATE: 03-APR-78 |  | D I G I T A L                          |  |
|------------------|-----------------|-----|-------------------------|--|-----------------|--|-----------------|--|----------------------------------------|--|
| ENG              | ECO NUMBER      | REV | SECTION A OF A          |  | CHK'D: R.W.     |  | DATE: 03-APR-78 |  | TITLE PARTS LIST                       |  |
| ---              | 00002           | B   | SECTION VARIATION INDEX |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  | RK07 READ/WRITE                        |  |
| B.F              | 00003           | C   | [A] YA                  |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  | DOCUMENT NUMBER                        |  |
| ---              | 00004           | D   | [B]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  | SIZE CODE NUMBER REV                   |  |
| MC               | 5411060YA-ML005 | E   | [C]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  | K PL 5411060-YA-DBP E                  |  |
|                  |                 |     | [D]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  | TOP DOCUMENT NUMBER: FILE NAME: EDIT # |  |
|                  |                 |     | [E]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  | RK07 21025E.PLS 13                     |  |
|                  |                 |     | [F]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [G]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [H]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [I]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [J]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [K]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [L]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [M]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |
|                  |                 |     | [N]                     |  | DATE: 03-APR-78 |  | DATE: 03-APR-78 |  |                                        |  |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"

AUTOMATED BY PRTLST.2D(11)

PARTS LIST

SHEET A2 OF A3

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                      | QTY | PER VARIATION | REFERENCE DESIGNATOR                       |
|------|------|-----------------|-------------|----------------------------------|-----|---------------|--------------------------------------------|
|      |      |                 |             |                                  | YA  |               |                                            |
| 28   | 28   |                 | 1300229-00  | 100.0 .25 W 5.0 % CC             | 5   |               | R6, R7, R19, R21, R97                      |
| 29   | 29   |                 | 1300247-00  | 120.0 .25 W 5.0 % CC             | 1   |               | R96                                        |
| 30   | 30   |                 | 1300271-00  | 220.0 .25 W 5.0 % CC             | 1   |               | R1                                         |
| 31   | 31   |                 | 1300295-00  | 330.0 .25 W 5.0 % CC             | 1   |               | R2                                         |
| 32   | 32   |                 | 1300309-00  | 390.0 .25 W 5.0 % CC             | 1   |               | R27                                        |
| 33   | 33   |                 | 1300316-00  | 470.0 .25 W 5.0 % CC             | 1   |               | R11                                        |
| 34   | 34   |                 | 1300365-00  | 1.0 K .25 W 5.0 % CC             | 9   |               | R3, R4, R5, R13, R14, R32, R95, R101, R102 |
| 35   | 35   |                 | 1300391-00  | 1.50 K .25 W 5.0 % CC            | 2   | CONT          | R23, R49                                   |
| 36   | 36   |                 | 1300394-00  | 1.50 K .50 W 5.0 % CC            | 2   |               | R8, R9                                     |
| 37   | 37   |                 | 1300417-00  | 2.20 K .25 W 5.0 % CC            | 2   |               | R18, R33                                   |
| 38   | 38   |                 | 1300447-00  | 4.70 K .25 W 5.0 % CC            | 4   |               | R66, R67, R83, R84                         |
| 39   | 39   |                 | 1300479-00  | 10.0 K .25 W 5.0 % CC            | 1   |               | R78                                        |
| 40   | 40   |                 | 1300488-00  | 12.0 K .25 W 5.0 % CC            | 1   |               | R12                                        |
| 41   | 41   |                 | 1301322-00  | 180.0 .25 W 5.0 % CC             | 2   |               | R15, R46                                   |
| 42   | 42   |                 | 1301808-00  | 22.0 K .25 W 5.0 % CC            | 1   |               | R43                                        |
| 43   | 43   |                 | 1301874-00  | 5.60 K .25 W 5.0 % CC            | 5   |               | R16, R17, R79, R81, R82                    |
| 44   | 44   |                 | 1302383-00  | 360.0 .50 W 5.0 % CC             | 4   |               | R59, R61, R63, R64                         |
| 45   | 45   |                 | 1302871-00  | 1.21 K .25 W 1.0 % RN55D-F10     | 1   |               | R98                                        |
| 46   | 46   |                 | 1302873-00  | 261.0 .25 W 1.0 % RN55D-F10      | 2   |               | R28, R29                                   |
| 47   | 47   |                 | 1302955-00  | 750.0 .25 W 1.0 % RN55D-F10      | 2   |               | R25, R37                                   |
| 48   | 48   |                 | 1303045-00  | 3.16 K .25 W 1.0 % RN55D-F10     | 2   |               | R34, R35                                   |
| 49   | 49   |                 | 1303047-00  | 464.0 .25 W 1.0 % RN55D-F10      | 1   |               | R99                                        |
| 50   | 50   |                 | 1304854-00  | 5.11 K .25 W 1.0 % RN55D-F10     | 7   |               | R47, R48, R68, R71, R72, R75, R76          |
| 51   | 51   |                 | 1304856-00  | 4.64 K .25 W 1.0 % RN55D-F10     | 2   |               | R93, R94                                   |
| 52   | 52   |                 | 1305114-00  | 3.48 K .25 W 1.0 % RN55D-F10     | 1   |               | R24                                        |
| 53   | 53   |                 | 1302874-00  | 147.0 .25 W 1.0 % RN55D-F10      | 1   |               | R62                                        |
| 54   | 54   |                 | 1305124-00  | 287.0 .25 W 1.0 % RN55D-F10      | 2   |               | R69, R73                                   |
| 55   | 55   |                 | 1305125-00  | 383.0 .25 W 1.0 % RN55D-F10      | 1   |               | R39                                        |
| 56   | 56   |                 | 1305143-00  | 825.0 .25 W 1.0 % RN55D-F10      | 3   |               | R26, R91, R92                              |
| 57   | 57   |                 | 1305346-00  | 27.0 K .25 W 5.0 % CC            | 3   |               | R41, R42, R77                              |
| 58   | 58   |                 | 1309143-06  | 500.0 .75 W10.0 % POT            | 1   |               | R65                                        |
| 59   | 59   |                 | 1309418-00  | 24.30 K .25 W 1.0 % RN55D-F10    | 1   |               | R74                                        |
| 60   | 60   |                 | 1309413-00  | 3.83 K .25 W 1.0 % RN55D-F10     | 2   |               | R44, R45                                   |
| 61   | 61   |                 | 1501913-00  | 2N 2904A PNP 600MW SI 60 40 Y    | 2   |               | Q3, Q4                                     |
| 62   | 62   |                 | 1503409-02  | DEC6534C PNP 310MW SI 40 70 P    | 2   |               | Q2, Q6                                     |
| 63   | 63   |                 | 1509338-00  | DEC6531B NPN 310MW SI 40 90 P    | 3   |               | Q1, Q5, Q7                                 |
| 64   | 64   |                 | 1610662-00  | 100.0 UH 10% 165MA #DD1 00       | 2   |               | L3, L4                                     |
| 65   | 65   |                 | 1612946-01  | 33 UH 10% 260MA                  | 2   |               | L1, L2                                     |
| 66   | 66   |                 | 1610661-00  | 56 UH 10% #DD56                  | 1   |               | L5                                         |
| 67   | 67   |                 | 1611257-01  | CHOKE(CERAMIC BEAD)AXIAL LEAD,ON | 2   |               | L6, L7                                     |
| 68   | 68   |                 | 1905587-00  | DEC 7473 FF-JK DUAL, MASTER SL   | 1   |               | E10                                        |
| 69   | 69   |                 | 1910298-00  | 741 OP AMP GEN PURP. COM         | 1   |               | E16                                        |
| 70   | 70   |                 | 1910268-00  | DEC 75107B RECEIVER, LINE, DUAL, | 2   |               | E3, E4                                     |
| 71   | 71   |                 | 1910406-00  | 75451 DRIVER, PERIPH, DUAL,      | 2   |               | E11, E12                                   |
| 72   | 72   |                 | 1910532-00  | 74500 NAND GATE-QUAD 2IN         | 1   |               | E13                                        |
| 73   | 73   |                 | 1910535-00  | 74505 INVERTER GATE-HEX 1        | 1   |               | E2                                         |
| 74   | 74   |                 | 1910539-00  | 74520 NAND GATE-DUAL 4INPU       | 1   |               | E14                                        |

|   |   |   |   |   |   |   |                 |                |      |      |                 |     |
|---|---|---|---|---|---|---|-----------------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE           | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | RK07 READ/WRITE |                | K    | PL   | 5411060-YA-DBP  | E   |

AUTOMATED BY PRTLST.2D(11)

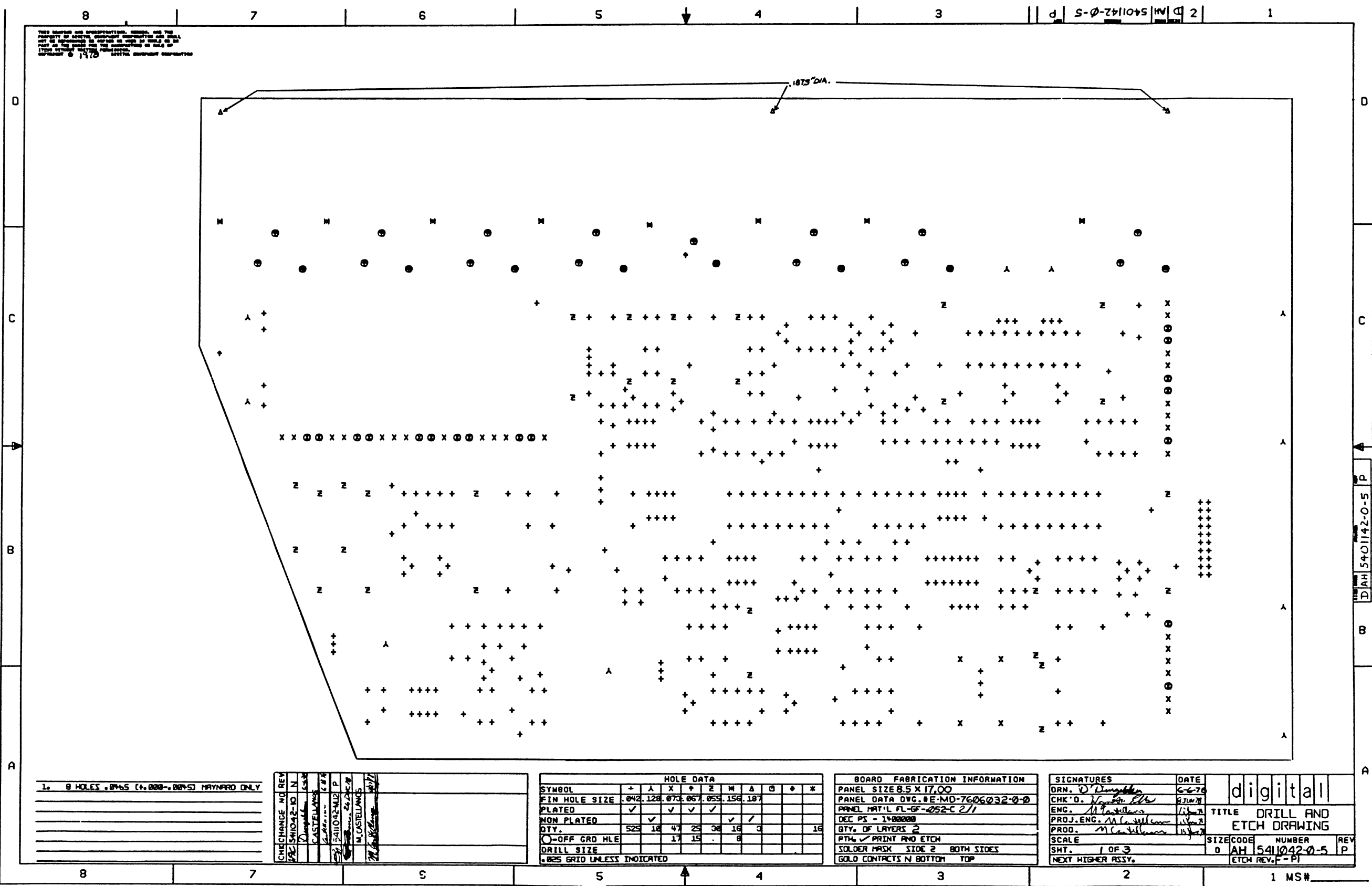
PARTS LIST

SHEET A3 OF A3

| LINE | ITEM | DOCUMENT NUMBER  | PART NUMBER | DESCRIPTION                      | QTY PER VARIATION<br>YA | REFERENCE DESIGNATOR |
|------|------|------------------|-------------|----------------------------------|-------------------------|----------------------|
| 75   | 75   |                  | 1910644-00  | 733 DIFFERENTIAL AMP,WID         | 2                       | E5,E8                |
| 76   | 76   |                  | 1910741-01  | 7406N BUFFER,HEX                 | 1                       | E15                  |
| 77   | 77   |                  | 1911469-00  | DEC 8640 RECEIVER,BUS,QUAD,U     | 2                       | E6,E7                |
| 78   | 78   |                  | 1910282-00  | 301AN OP AMP                     | 1                       | E9                   |
| 79   | 79   |                  | 1910268-01  | DEC 751078-01 RECEIVER,LINE,DUA  | 1                       | E1                   |
| 80   | 80   |                  | 1301401-00  | 750.0 .25 W 5.0 % CC             | 1                       | R22                  |
| 81   | 81   |                  | 7415620-01  | SCREW CAPTIVE                    | 6                       |                      |
| 82   | 82   |                  | 9007201-00  | TRANSIPADS #10253                | 2                       |                      |
| 83   | 83   |                  | 9009271-00  | RING, RETAINING, REINFORCED, FIT | 6                       |                      |
| 84   | 84   |                  | 1000064-00  | 3.9MFD 10V 10% S.TANT            | 1                       | C14                  |
| 85   | 85   |                  | 1011740-01  | 3300.0 MMF 50V 10% CER           | 2                       | C13,C15              |
| 86   | 86   | B-DD-7012623-0-0 |             | TESTER DOCUMENTS (PROTO)         | REF                     |                      |
| 87   | 87   | B-DD-7012784-0-0 |             | TESTER DOCUMENTS (PRODUCTION)    | REF                     |                      |
| 88   | 88   |                  | 1010279-00  | .47 MFD 25V 20% CER              | 2                       | C24,C47              |
| 89   | 89   | B-MD-7417415-0-0 | 9006010-01  | *** THIS ITEM IS NOT USED ***    | -                       |                      |
| 90   | 90   |                  | 9006632-00  | WASHER,LOCK,INT,.2600D X .120ID  | 1                       |                      |
| 91   | 91   |                  | 1302685-00  | 909.0 .25 W 1.0 % RN55D-F10      | 4                       | R51,R53,R54,R55      |
| 92   | 92   |                  | 1113953-00  | 1N 5523D VZ= 5.1 1%              | 1                       | D6                   |

|   |   |   |   |   |   |   |                 |                |      |      |                 |     |
|---|---|---|---|---|---|---|-----------------|----------------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE           | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | RK07 READ/WRITE |                | K    | PL   | 5411060-YA-DBP  | E   |

THIS DRAWING AND INFORMATION, HEREIN, ARE THE PROPERTY OF AECOM, INCORPORATED. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AECOM, INCORPORATED.



1. 8 HOLES .0845 (+.000-.0045) MAXIMUM ONLY

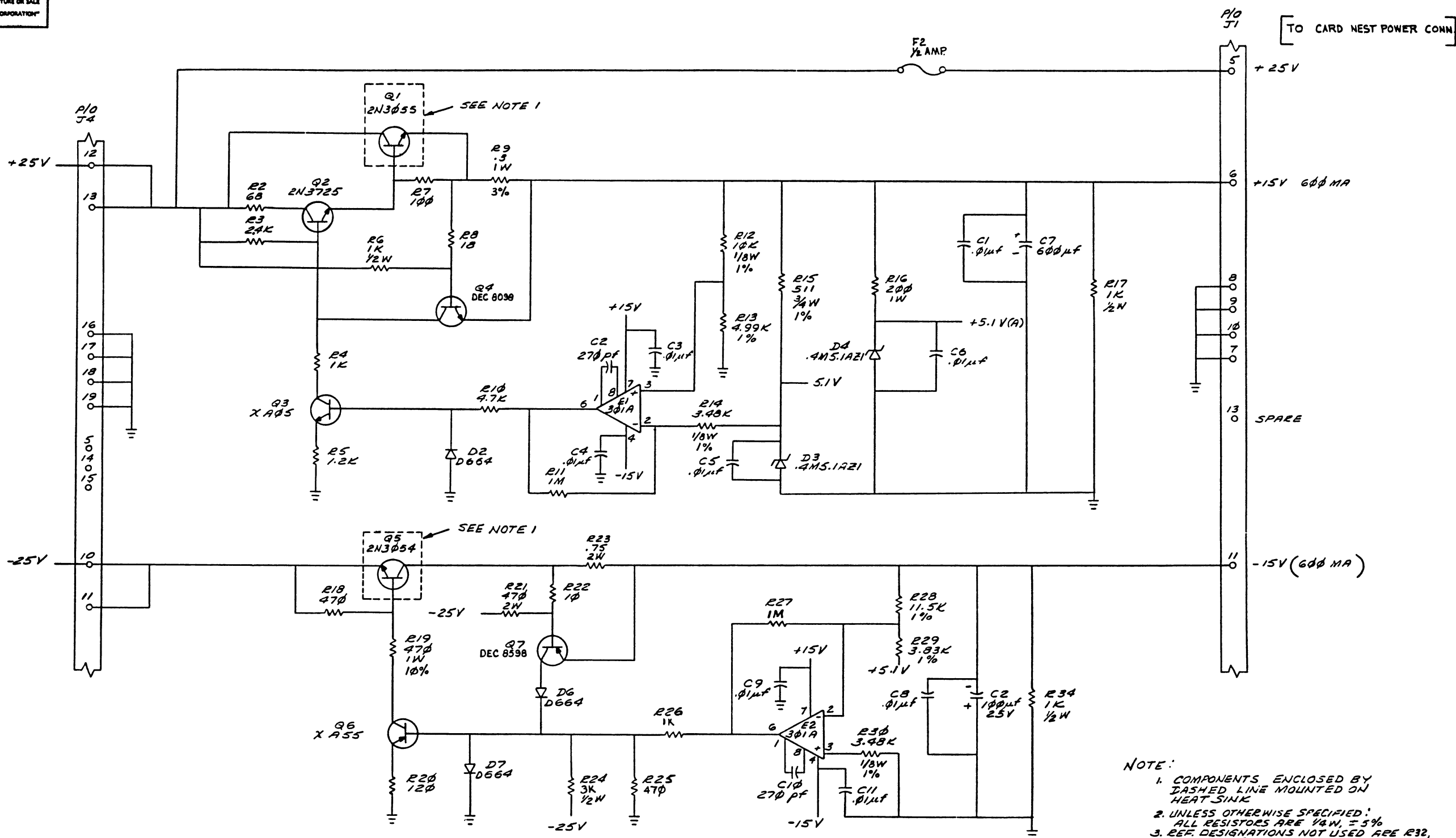
| CHECK | NO | REV | DATE    | BY | APP |
|-------|----|-----|---------|----|-----|
| 1     | 1  | 1   | 10/1/78 | 1  | 1   |
| 2     | 1  | 1   | 10/1/78 | 1  | 1   |
| 3     | 1  | 1   | 10/1/78 | 1  | 1   |
| 4     | 1  | 1   | 10/1/78 | 1  | 1   |
| 5     | 1  | 1   | 10/1/78 | 1  | 1   |
| 6     | 1  | 1   | 10/1/78 | 1  | 1   |
| 7     | 1  | 1   | 10/1/78 | 1  | 1   |
| 8     | 1  | 1   | 10/1/78 | 1  | 1   |

| HOLE DATA                 |      |      |      |      |      |      |      |   |    |
|---------------------------|------|------|------|------|------|------|------|---|----|
| SYMBOL                    | +    | A    | X    | +    | Z    | M    | A    | Q | *  |
| FIN HOLE SIZE             | .042 | .128 | .073 | .067 | .055 | .156 | .187 |   |    |
| PLATED                    | ✓    | ✓    | ✓    | ✓    | ✓    |      |      |   |    |
| NON PLATED                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |    |
| QTY.                      | 525  | 18   | 47   | 25   | 36   | 16   | 3    |   | 16 |
| ○-OFF GRID HLE            |      |      | 17   | 15   |      | 8    |      |   |    |
| DRILL SIZE                |      |      |      |      |      |      |      |   |    |
| 825 GRID UNLESS INDICATED |      |      |      |      |      |      |      |   |    |

| BOARD FABRICATION INFORMATION |                        |
|-------------------------------|------------------------|
| PANEL SIZE                    | 8.5 X 17.00            |
| PANEL DATA                    | DWG. 08-MD-7606032-0-0 |
| PANEL MAT'L                   | FL-6F-052-C 2/1        |
| DEC. PS                       | - 1400000              |
| QTY. OF LAYERS                | 2                      |
| PTH. ✓                        | PRINT AND ETCH         |
| SOLDER MASK                   | SIDE 2 BOTH SIDES      |
| GOLD CONTACTS                 | N BOTTOM TOP           |

| SIGNATURES        |               | DATE                   |
|-------------------|---------------|------------------------|
| DRAWN             | D. Dingledine | 6-6-78                 |
| CHK'D             | M. G. E. E.   | 9/14/78                |
| ENG.              | M. G. E. E.   | 11/1/78                |
| PROJ. ENG.        | M. G. E. E.   | 11/1/78                |
| PROD.             | M. G. E. E.   | 11/1/78                |
| SCALE             | 1 OF 3        |                        |
| SHT.              | 1 OF 3        |                        |
| NEXT HIGHER ASSY. |               |                        |
| TITLE             |               | DRILL AND ETCH DRAWING |
| SIZE              | CODE          | NUMBER                 |
| 0                 | AH            | 541042-0-5             |
| ETCH              | REV.          | P                      |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION

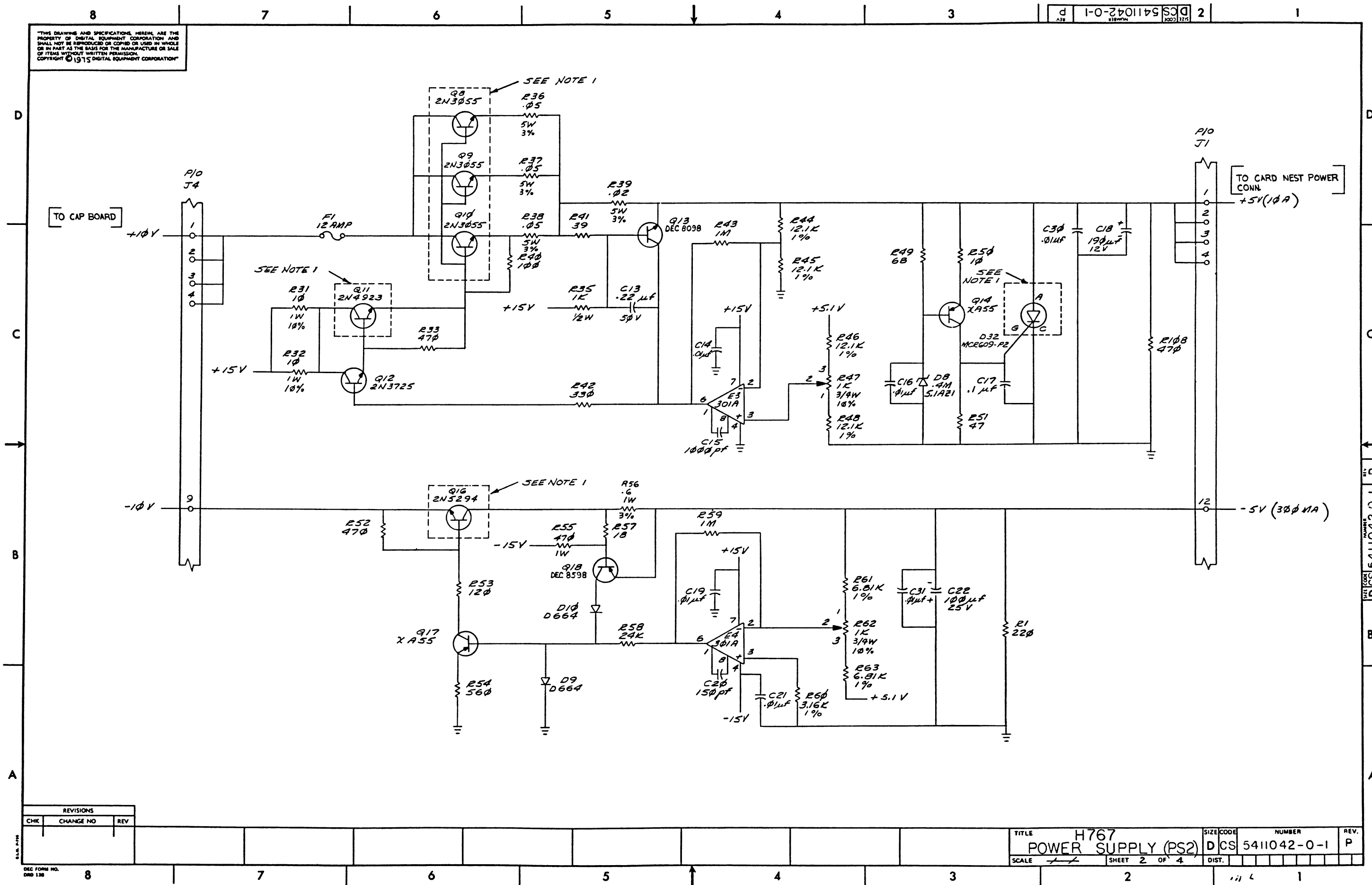


- NOTE:
- COMPONENTS ENCLOSED BY DASHED LINE MOUNTED ON HEAT SINK
  - UNLESS OTHERWISE SPECIFIED: ALL RESISTORS ARE 1/4W, ±5%
  - REF. DESIGNATIONS NOT USED ARE R32, D1, D5, Q15, R97, R98, R101, R102

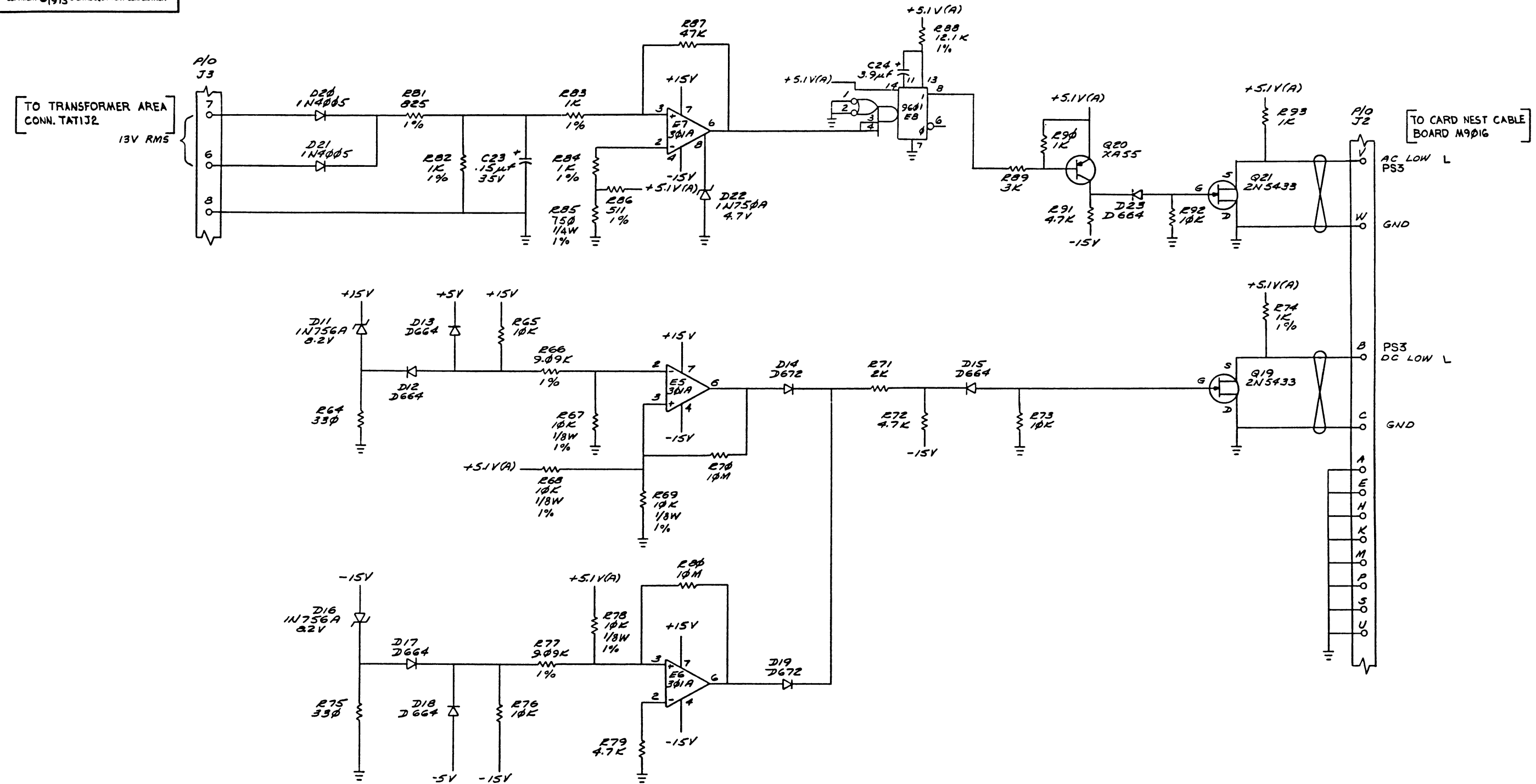
| ETCH BOARD        |        | F                        |
|-------------------|--------|--------------------------|
| DRN               | WETZEE | 91315                    |
| CHK'D             | WETZEE | 91315                    |
| ENG               | WETZEE | 91315                    |
| PROD ENG          | WETZEE | 91315                    |
| PROD EC           | WETZEE | 91315                    |
| NEXT HIGHER ASSY. |        |                          |
| 0-UA-5411042-0-1  |        |                          |
| SCALE             | 1      |                          |
| SHEET             | 1      | OF 4                     |
| FIRST USED ON     |        | RK06                     |
| TITLE             |        | H 767 POWER SUPPLY (PSI) |
| SIZE              | CODE   | NUMBER                   |
| D                 | CS     | 5411042-0-1              |
| DIST.             |        |                          |
| REV.              |        | P                        |

| REV. | CHG. | NO. | DATE     | BY      | CHK. |
|------|------|-----|----------|---------|------|
| 1    |      | 1   | 11-11-75 | J. DREW |      |
| 2    |      | 2   | 11-11-75 | J. DREW |      |
| 3    |      | 3   | 11-11-75 | J. DREW |      |
| 4    |      | 4   | 11-11-75 | J. DREW |      |
| 5    |      | 5   | 11-11-75 | J. DREW |      |
| 6    |      | 6   | 11-11-75 | J. DREW |      |
| 7    |      | 7   | 11-11-75 | J. DREW |      |
| 8    |      | 8   | 11-11-75 | J. DREW |      |
| 9    |      | 9   | 11-11-75 | J. DREW |      |
| 10   |      | 10  | 11-11-75 | J. DREW |      |
| 11   |      | 11  | 11-11-75 | J. DREW |      |
| 12   |      | 12  | 11-11-75 | J. DREW |      |
| 13   |      | 13  | 11-11-75 | J. DREW |      |
| 14   |      | 14  | 11-11-75 | J. DREW |      |
| 15   |      | 15  | 11-11-75 | J. DREW |      |
| 16   |      | 16  | 11-11-75 | J. DREW |      |
| 17   |      | 17  | 11-11-75 | J. DREW |      |
| 18   |      | 18  | 11-11-75 | J. DREW |      |
| 19   |      | 19  | 11-11-75 | J. DREW |      |
| 20   |      | 20  | 11-11-75 | J. DREW |      |
| 21   |      | 21  | 11-11-75 | J. DREW |      |
| 22   |      | 22  | 11-11-75 | J. DREW |      |
| 23   |      | 23  | 11-11-75 | J. DREW |      |
| 24   |      | 24  | 11-11-75 | J. DREW |      |
| 25   |      | 25  | 11-11-75 | J. DREW |      |
| 26   |      | 26  | 11-11-75 | J. DREW |      |
| 27   |      | 27  | 11-11-75 | J. DREW |      |
| 28   |      | 28  | 11-11-75 | J. DREW |      |
| 29   |      | 29  | 11-11-75 | J. DREW |      |
| 30   |      | 30  | 11-11-75 | J. DREW |      |
| 31   |      | 31  | 11-11-75 | J. DREW |      |
| 32   |      | 32  | 11-11-75 | J. DREW |      |
| 33   |      | 33  | 11-11-75 | J. DREW |      |
| 34   |      | 34  | 11-11-75 | J. DREW |      |
| 35   |      | 35  | 11-11-75 | J. DREW |      |
| 36   |      | 36  | 11-11-75 | J. DREW |      |
| 37   |      | 37  | 11-11-75 | J. DREW |      |
| 38   |      | 38  | 11-11-75 | J. DREW |      |
| 39   |      | 39  | 11-11-75 | J. DREW |      |
| 40   |      | 40  | 11-11-75 | J. DREW |      |
| 41   |      | 41  | 11-11-75 | J. DREW |      |
| 42   |      | 42  | 11-11-75 | J. DREW |      |
| 43   |      | 43  | 11-11-75 | J. DREW |      |
| 44   |      | 44  | 11-11-75 | J. DREW |      |
| 45   |      | 45  | 11-11-75 | J. DREW |      |
| 46   |      | 46  | 11-11-75 | J. DREW |      |
| 47   |      | 47  | 11-11-75 | J. DREW |      |
| 48   |      | 48  | 11-11-75 | J. DREW |      |
| 49   |      | 49  | 11-11-75 | J. DREW |      |
| 50   |      | 50  | 11-11-75 | J. DREW |      |
| 51   |      | 51  | 11-11-75 | J. DREW |      |
| 52   |      | 52  | 11-11-75 | J. DREW |      |
| 53   |      | 53  | 11-11-75 | J. DREW |      |
| 54   |      | 54  | 11-11-75 | J. DREW |      |
| 55   |      | 55  | 11-11-75 | J. DREW |      |
| 56   |      | 56  | 11-11-75 | J. DREW |      |
| 57   |      | 57  | 11-11-75 | J. DREW |      |
| 58   |      | 58  | 11-11-75 | J. DREW |      |
| 59   |      | 59  | 11-11-75 | J. DREW |      |
| 60   |      | 60  | 11-11-75 | J. DREW |      |
| 61   |      | 61  | 11-11-75 | J. DREW |      |
| 62   |      | 62  | 11-11-75 | J. DREW |      |
| 63   |      | 63  | 11-11-75 | J. DREW |      |
| 64   |      | 64  | 11-11-75 | J. DREW |      |
| 65   |      | 65  | 11-11-75 | J. DREW |      |
| 66   |      | 66  | 11-11-75 | J. DREW |      |
| 67   |      | 67  | 11-11-75 | J. DREW |      |
| 68   |      | 68  | 11-11-75 | J. DREW |      |
| 69   |      | 69  | 11-11-75 | J. DREW |      |
| 70   |      | 70  | 11-11-75 | J. DREW |      |
| 71   |      | 71  | 11-11-75 | J. DREW |      |
| 72   |      | 72  | 11-11-75 | J. DREW |      |
| 73   |      | 73  | 11-11-75 | J. DREW |      |
| 74   |      | 74  | 11-11-75 | J. DREW |      |
| 75   |      | 75  | 11-11-75 | J. DREW |      |
| 76   |      | 76  | 11-11-75 | J. DREW |      |
| 77   |      | 77  | 11-11-75 | J. DREW |      |
| 78   |      | 78  | 11-11-75 | J. DREW |      |
| 79   |      | 79  | 11-11-75 | J. DREW |      |
| 80   |      | 80  | 11-11-75 | J. DREW |      |
| 81   |      | 81  | 11-11-75 | J. DREW |      |
| 82   |      | 82  | 11-11-75 | J. DREW |      |
| 83   |      | 83  | 11-11-75 | J. DREW |      |
| 84   |      | 84  | 11-11-75 | J. DREW |      |
| 85   |      | 85  | 11-11-75 | J. DREW |      |
| 86   |      | 86  | 11-11-75 | J. DREW |      |
| 87   |      | 87  | 11-11-75 | J. DREW |      |
| 88   |      | 88  | 11-11-75 | J. DREW |      |
| 89   |      | 89  | 11-11-75 | J. DREW |      |
| 90   |      | 90  | 11-11-75 | J. DREW |      |
| 91   |      | 91  | 11-11-75 | J. DREW |      |
| 92   |      | 92  | 11-11-75 | J. DREW |      |
| 93   |      | 93  | 11-11-75 | J. DREW |      |
| 94   |      | 94  | 11-11-75 | J. DREW |      |
| 95   |      | 95  | 11-11-75 | J. DREW |      |
| 96   |      | 96  | 11-11-75 | J. DREW |      |
| 97   |      | 97  | 11-11-75 | J. DREW |      |
| 98   |      | 98  | 11-11-75 | J. DREW |      |
| 99   |      | 99  | 11-11-75 | J. DREW |      |
| 100  |      | 100 | 11-11-75 | J. DREW |      |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION

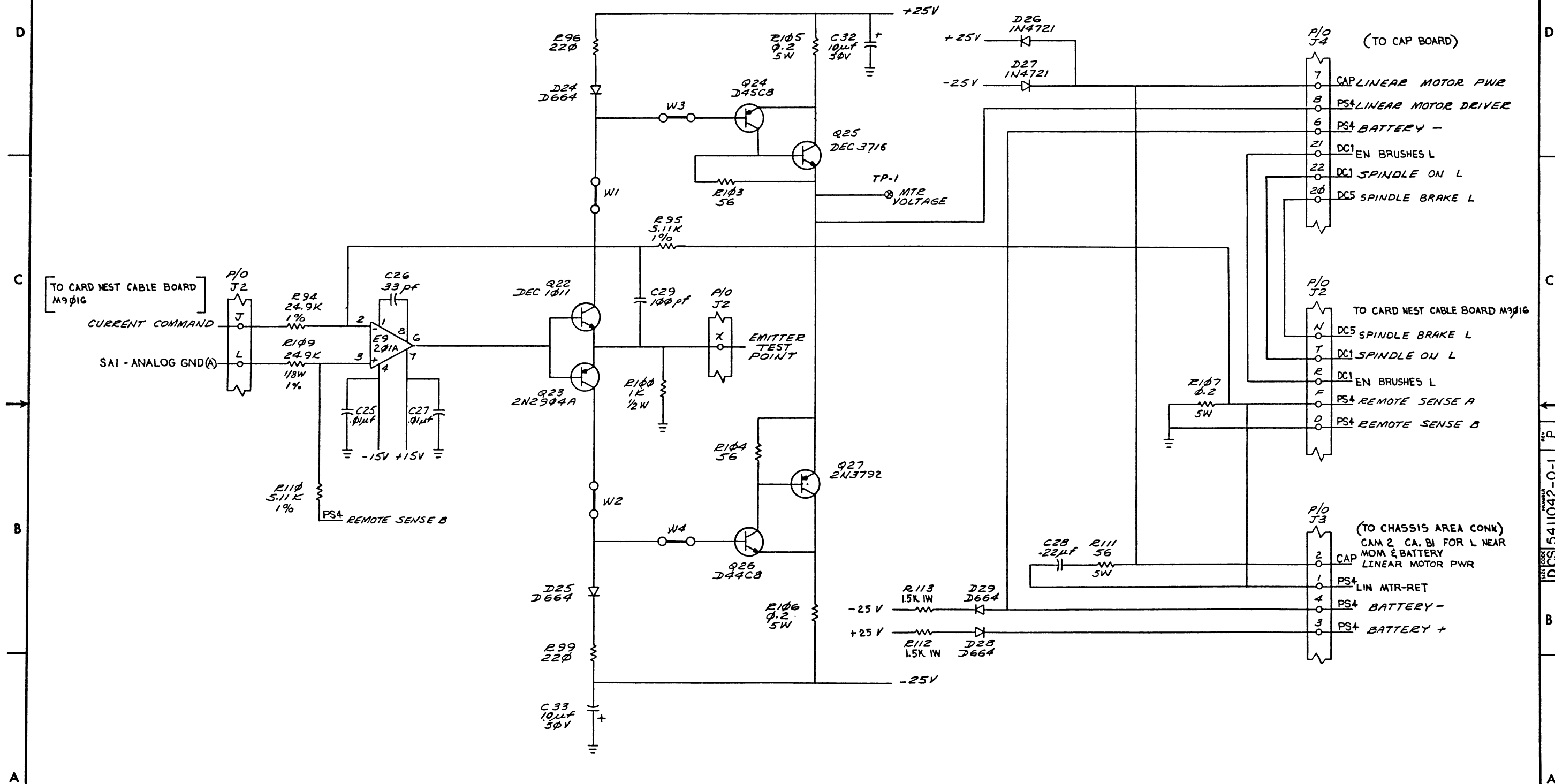


| REVISIONS |           |     |
|-----------|-----------|-----|
| CHK       | CHANGE NO | REV |
|           |           |     |

DEC FORM NO. 090 130

|                    |  |      |           |             |       |
|--------------------|--|------|-----------|-------------|-------|
| TITLE              |  | H767 | SIZE CODE | NUMBER      | REV.  |
| POWER SUPPLY (PS3) |  | D    | CS        | 5411042-0-1 | P     |
| SCALE              |  | 1/1  | SHEET     | 3 OF 4      | DIST. |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION





| LINE | ITEM | DOCUMENT NUMBER  | PART NUMBER | DESCRIPTION                   | QTY | REFERENCE DESIGNATOR    |
|------|------|------------------|-------------|-------------------------------|-----|-------------------------|
| 1    | 1    | U-CS-5411042-P-1 |             | H767 POWER SUPPLY             | REF |                         |
| 2    | 2    | D-AH-5411042-P-5 |             | ASSY/DRILLING HOLE LAYOUT     | REF |                         |
| 3    | 3    | R-MH-5411042-P-6 |             | MODULE ECO HISTORY            | REF |                         |
| 4    | 4    |                  | 5011041-00  | 54-11042                      | REF |                         |
| 5    | 5    |                  | 1310876-03  | .05 5W 3%                     | 3   | R36-R38                 |
| 6    | 6    |                  | 1312683-00  | .3 1W 3%                      | 1   | R9                      |
| 7    | 7    |                  | 1311467-00  | .75 2W 5%                     | 1   | R23                     |
| 8    | 8    |                  | 1312684-00  | .6 1W 3%                      | 1   | R56                     |
| 9    | 9    |                  | 1301317-00  | 10 1/4W 5%                    | 2   | R50, R22                |
| 10   | 10   |                  | 1300171-00  | 10 1W 5%                      | 2   | R31, R32                |
| 11   | 11   |                  | 1300202-00  | 47 1/4W 5%                    | 1   | R51                     |
| 12   | 12   |                  | 1300219-00  | 68 1/4W 5%                    | 2   | R2, R49                 |
| 13   | 13   |                  | 1300229-00  | 100 1/4W 5%                   | 2   | R7, R40                 |
| 14   | 14   |                  | 1305143-00  | 825 1/4W 1% RN55D-F 100PPM    | 1   | R81                     |
| 15   | 15   |                  | 1300316-00  | *** THIS ITEM IS NOT USED *** | -   |                         |
| 16   | 16   |                  | 1302382-00  | 200 1W 5%                     | 1   | R16                     |
| 17   | 17   |                  | 1300271-00  | 220 1/4W 5%                   | 3   | R1, R96, R99            |
| 18   | 18   |                  | 1300295-00  | 330 1/4W 5%                   | 3   | R42, R64, R75           |
| 19   | 19   |                  | 1300316-00  | 470 1/4W 5%                   | 5   | R18, R33, R52, R108, R2 |
| 20   | 20   |                  | 1300319-00  | 470 1W 5%                     | 1   | R19                     |
| 21   | 21   |                  | 1302411-00  | 511 1/4W 1% RN55D-F 100PPM    | 1   | R86                     |
| 22   | 22   |                  | 1300324-00  | 511 3/4W 1% RN65D-F 100PPM    | 1   | R15                     |
| 23   | 23   |                  | 1302685-00  | 909 1/4W 1% RN55D-F 100PPM    | 1   | R85                     |
| 24   | 24   |                  | 1300365-00  | 1 K 1/4W 5%                   | 4   | R4, R90, R93, R26       |
| 25   | 25   |                  | 1303114-00  | 1.0 K 1/4W 1% RN55D-F 100PPM  | 4   | R74, R82, R83, R84      |
| 26   | 26   |                  | 1309143-07  | 1 K 3/4W 10% POT 100PPM       | 2   | R47, R62                |
| 27   | 27   |                  | 1301320-00  | 1.2 K 1/4W 5%                 | 1   | R5                      |
| 28   | 28   |                  | 1300364-00  | 1 K 1/2W 5%                   | 5   | R35, R6, R17, R34, R100 |
| 29   | 29   |                  | 1302388-00  | 2 K 1/4W 5%                   | 1   | R71                     |
| 30   | 30   |                  | 1303062-00  | 470 2W 5%                     | 1   | R21                     |

| REVISION HISTORY |               |     | SECTION 1 OF 1           | RESP. ENG.: J. DREW               | DATE: 17-JUL-78 | D I G I T A L        |      |                 |     |
|------------------|---------------|-----|--------------------------|-----------------------------------|-----------------|----------------------|------|-----------------|-----|
| ENG              | ECO NUMBER    | REV | SECTION, VARIATION INDEX | MADE BY: L. METZGER               | DATE: 17-JUL-78 | TITLE                |      | PARTS LIST      |     |
| WE               | 00010         | N   |                          |                                   |                 | H767 POWER SUPPLY    |      |                 |     |
| M.C.             | 5411042-ML012 | P   | 1.00                     |                                   |                 |                      |      |                 |     |
|                  |               |     | 2.                       |                                   |                 |                      |      |                 |     |
|                  |               |     | 3.                       | CHECKED: H. DAMAKJIAN             | DATE: 17-JUL-78 |                      |      |                 |     |
|                  |               |     | 4.                       |                                   |                 |                      |      |                 |     |
|                  |               |     | 5.                       |                                   |                 |                      |      |                 |     |
|                  |               |     | 6.                       | DSN. ENG.: J. DREW                | DATE: 17-JUL-78 |                      |      |                 |     |
|                  |               |     | 7.                       |                                   |                 | SIZE                 | CODE | DOCUMENT NUMBER | REV |
|                  |               |     | 8.                       |                                   |                 |                      |      |                 |     |
|                  |               |     | 9.                       | PROD.: C. POWELL                  | DATE: 17-JUL-78 | K                    | PL   | 5411042-0-DBD   | P   |
|                  |               |     | 10.                      |                                   |                 |                      |      |                 |     |
|                  |               |     | 11.                      |                                   |                 |                      |      |                 |     |
|                  |               |     | 12.                      | ASSEMBLY NUMBER: D-UA-5411042-0-0 |                 | PART NUMBER: 5411042 |      | EDIT # 6        |     |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT 1978, DIGITAL EQUIPMENT CORPORATION"



| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                      | QTY   | REFERENCE DESIGNATOR                     |
|------|------|-----------------|-------------|----------------------------------|-------|------------------------------------------|
| 78   | 78   |                 | 1100114-00  | D 664 Q5\75PCB PIV= 25V SP       | 15    | D2,D6,D7,D9,D10,D12,D13,D15,D17,D18,D23, |
|      |      |                 |             |                                  | CONT  | D24,D25,D28,D29                          |
| 79   | 79   |                 | 1105275-00  | D 672 TR= 15NS PIV= 60V SI       | 2     | D14,D19                                  |
| 80   | 80   |                 | 1100124-00  | 1N 750A VZ= 4.7 5% .40W P        | 1     | D22                                      |
| 81   | 81   |                 | 1103441-00  | 1N 756A VZ= 8.2 5% .40W P        | 2     | D11,D16                                  |
| 82   | 82   |                 | 1105873-00  | 4M5-1A21 VZ= 5.1 1% .400W        | 3     | Q3,Q4,DR                                 |
| 83   | 83   |                 | 1110967-00  | 1N 4005 PIV=600 I= 1A D041 SI    | 2     | D70,D21                                  |
| 84   | 84   |                 | 1110182-00  | 1N 4721 PIV=200 I= 3A A179ASY    | 2     | D26,D27                                  |
| 85   | 85   |                 | 1505819-00  | 2N 3055 NPN 115WC SI 60 20 Y     | 4     | Q1,Q8,Q9,Q10                             |
| 86   | 86   |                 | 1510959-00  | 2N 3725 NPN 3.5WC SI 50 60 P     | 2     | Q2,Q12                                   |
| 87   | 87   |                 | 1510705-00  | XA 05 NPN 500MW SI 60 50 P       | 1     | Q3                                       |
| 88   | 88   |                 | 1510377-00  | 2N 5294 NPN 36WC SI 70 30 M      | 1     | Q16                                      |
| 89   | 89   |                 | 1509604-00  | DEC4923 NPN 30WC SI 80 20 M      | 1     | Q11                                      |
| 90   | 90   |                 | 1510706-00  | XA 55 PNP 500MW SI 60 50 P       | 4     | Q6,Q14,Q17,Q20                           |
| 91   | 91   |                 | 1509523-00  | 2N 3054 NPN 25WC SI 55 25 Y      | 1     | Q5                                       |
| 92   | 92   |                 | 1501913-00  | 2N 2904A PNP 600MW SI 60 40 Y    | 1     | Q23                                      |
| 93   | 93   |                 | 1510013-00  | DEC1011 NPN 5WC SI 55 25 P       | 1     | Q22                                      |
| 94   | 94   |                 | 1510598-00  | DEC4508 PNP 27WT SI 60 20 Y      | 1     | Q24                                      |
| 95   | 95   |                 | 1510421-00  | D 44C8 NPN 30WT SI 60 20         | 1     | Q26                                      |
| 96   | 96   |                 | 1503069-00  | DEC3716 NPN                      | 1     | Q25                                      |
| 97   | 97   |                 | 1509581-01  | 2N 3792 PNP 150WC SI 80 30 M     | 1     | Q27                                      |
| 98   | 98   |                 | 1511686-00  | DEC5433 FET N 350MW 10 25 1A     | 2     | Q19,Q21                                  |
| 99   | 99   |                 | 1910282-00  | 301AN OP AMP                     | 7     | E1-E7                                    |
| 100  | 100  |                 | 1909373-00  | 9601 ONE SHOT,RETRIGGERAB        | 1     | E8                                       |
| 101  | 101  |                 | 9008290-00  | FUSE, SLO BLOW, 12.000A, 32V, G  | 1     | F1                                       |
| 102  | 102  |                 | 1209941-06  | HEADER,100 20POS RT ANGLE        | 1     | J2                                       |
| 103  | 103  |                 | 1212204-06  | HEADER,156 8POS RT ANGLE         | 1     | J3                                       |
| 104  | 104  |                 | 1212204-07  | HEADER,156 13POS RT ANGLE        | 1     | J1                                       |
| 105  | 105  |                 | 1212204-05  | HEADER,156 22POS RT ANGLE        | 1     | J4                                       |
| 106  | 106  |                 | 1212487-00  | HEAT SINK,1"X1.18X.5",XSISTOR&SC | 2     |                                          |
| 107  | 107  |                 | 1212957-00  | HEAT SINK,PK05 140WATTS W500FT/M | 1     |                                          |
| 108  | 108  |                 | 9008419-00  | WASHER, FLAT, THERMAFILM .002THK | 7     |                                          |
| 109  | 109  |                 | 9007201-00  | TRANSIPADS #10253                | 4     |                                          |
| 110  | 110  |                 | 9006735-00  | EYELET, FUNNEL FLANGE, .059 OD X | 9     |                                          |
| 111  | 111  |                 | 9009786-00  | INSULATOR, SEMICONDUCTOR, FOR TO | 1     |                                          |
| 112  | 112  |                 | 9008268-00  | COMPOUND, THERMAL JOINT          | s A/R |                                          |
| 113  | 113  |                 | 1209941-04  | HEADER RT ANGLE,RIGHT            | 1     |                                          |
| 114  | 114  |                 | 1209941-03  | HEADER RT ANGLE LEFT L           | 1     |                                          |
| 115  | 115  |                 | 9007203-00  | CLIP, FUSE, WITH STOP, SCREW MOU | 2     |                                          |
| 116  | 116  |                 | 9107560-01  | WIRE,RUSS,22AWG                  | 4     | w1-w4                                    |
| 117  | 117  |                 | 9009597-00  | INSULATOR, THERMA-FILM           | s 2   |                                          |
| 118  | 118  |                 | 9006732-00  | EYELET, ROLLED FLANGE, .121 OD X | 2     |                                          |
| 119  | 119  |                 | 9007793-01  | SCREW,PAN ,PHIL, 6-32X 9/16      | 16    |                                          |
| 120  | 120  |                 | 9008185-00  | NUT,KEP , 6-32X1/4 AF            | 16    |                                          |
| 121  | 121  |                 | 9006653-00  | WASHER, FLAT, .375 O.D. X .156 I | 13    |                                          |
| 122  | 122  |                 | 9006012-01  | SCREW,PAN ,PHIL, 4-40X 7/16      | 2     |                                          |
| 123  | 123  |                 | 9006655-00  | WASHER, FLAT, .312 O.D. X .125 I | 5     |                                          |
| 124  | 124  |                 | 9006557-00  | NUT,KEP , 4-40X 1/4 AF           | 4     |                                          |

|   |   |   |   |   |   |   |                   |         |        |      |      |                 |     |
|---|---|---|---|---|---|---|-------------------|---------|--------|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE             | SECTION | 1 OF 1 | SIZE | CODE | DOCUMENT NUMBFR | REV |
|   |   |   |   |   |   |   | H767 POWER SUPPLY |         |        | K    | PL   | 5411042-0-DBP   | P   |

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION                      | QTY | REFERENCE DESIGNATOR |
|------|------|-----------------|-------------|----------------------------------|-----|----------------------|
| 125  | 125  |                 | 9008033-01  | SCREW,PAN ,PHIL, 4-40X 9/16      | 2   |                      |
| 126  | 126  |                 | 9009769-00  | WASHER, RECTANGULAR .405X.225X.0 | 3   |                      |
| 127  | 127  |                 | 1010978-36  | .1 MFD 50V 10% 2C067 CFR         | 1   | C17                  |
| 128  | 128  |                 | 1209159-00  | FUSE, SUB-MINI, .500A, 125V, A   | 1   | F2                   |
| 129  | 129  |                 | 9107278-11  | *** THIS ITEM IS NOT USED ***    | -   |                      |
| 130  | 130  |                 | 1512212-00  | DEC8098 NPN 350MW SI 60 50       | 2   | Q4,Q13               |
| 131  | 131  |                 | 1512211-00  | DEC8598 PNP 350MW SI 60 50       | 2   | Q7,Q18               |
| 132  | 132  |                 | 9107688-22  | *** THIS ITEM IS NOT USED ***    | -   |                      |
| 133  | 133  |                 | 9006708-00  | WASHER, NYLON, FLAT #8 .375 OD   | 3   |                      |
| 134  | 134  |                 | 1911143-00  | DEC 201A OP AMP                  | 1   | E9                   |

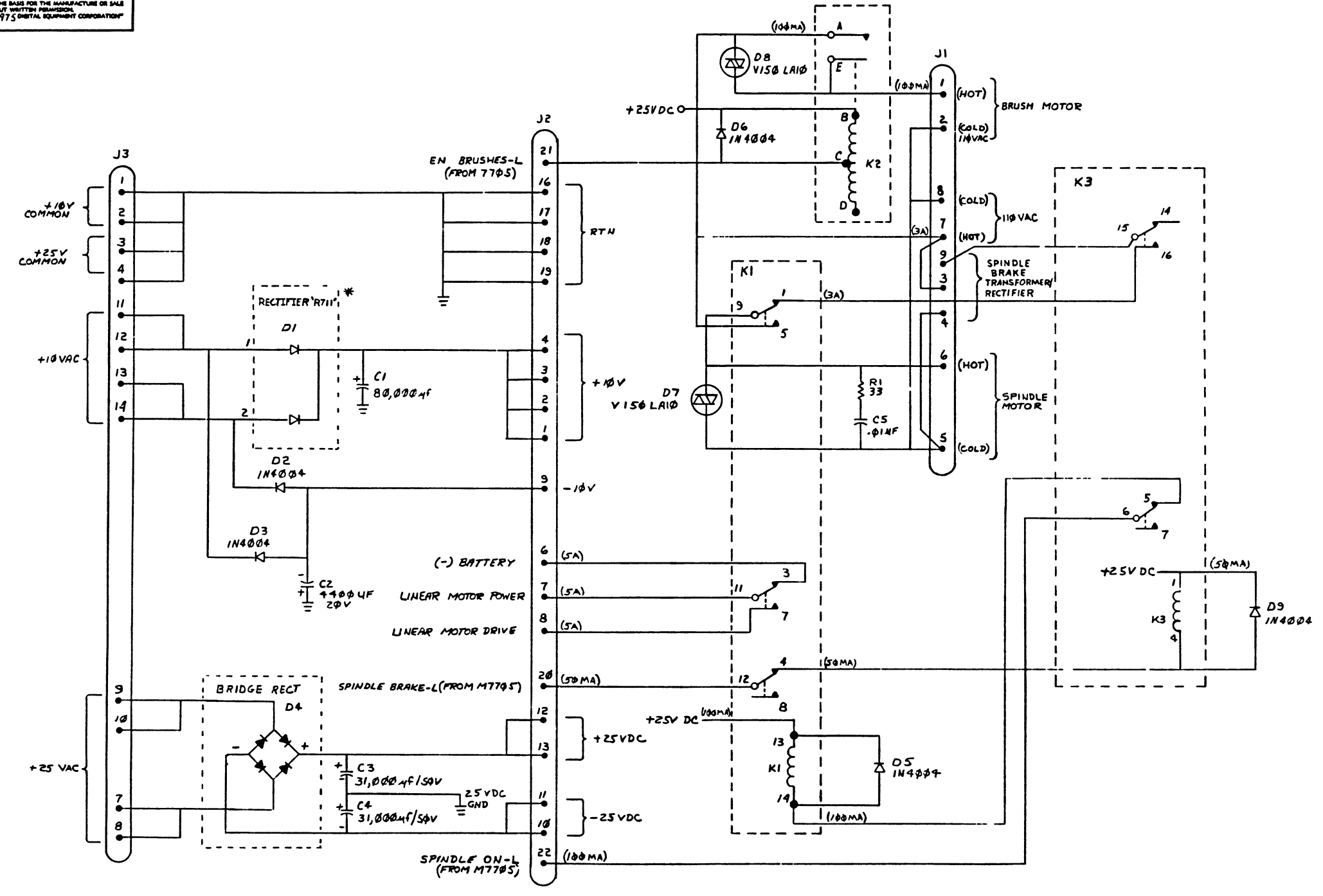
|   |   |   |   |   |   |   |                   |         |   |    |   |      |      |                 |     |
|---|---|---|---|---|---|---|-------------------|---------|---|----|---|------|------|-----------------|-----|
| D | I | G | I | T | A | L | TITLE             | SECTION | 1 | OF | 1 | SIZE | CODE | DOCUMENT NUMBER | REV |
|   |   |   |   |   |   |   | H767 POWER SUPPLY |         |   |    |   | K    | PL   | 5411042-0-DBP   | P   |



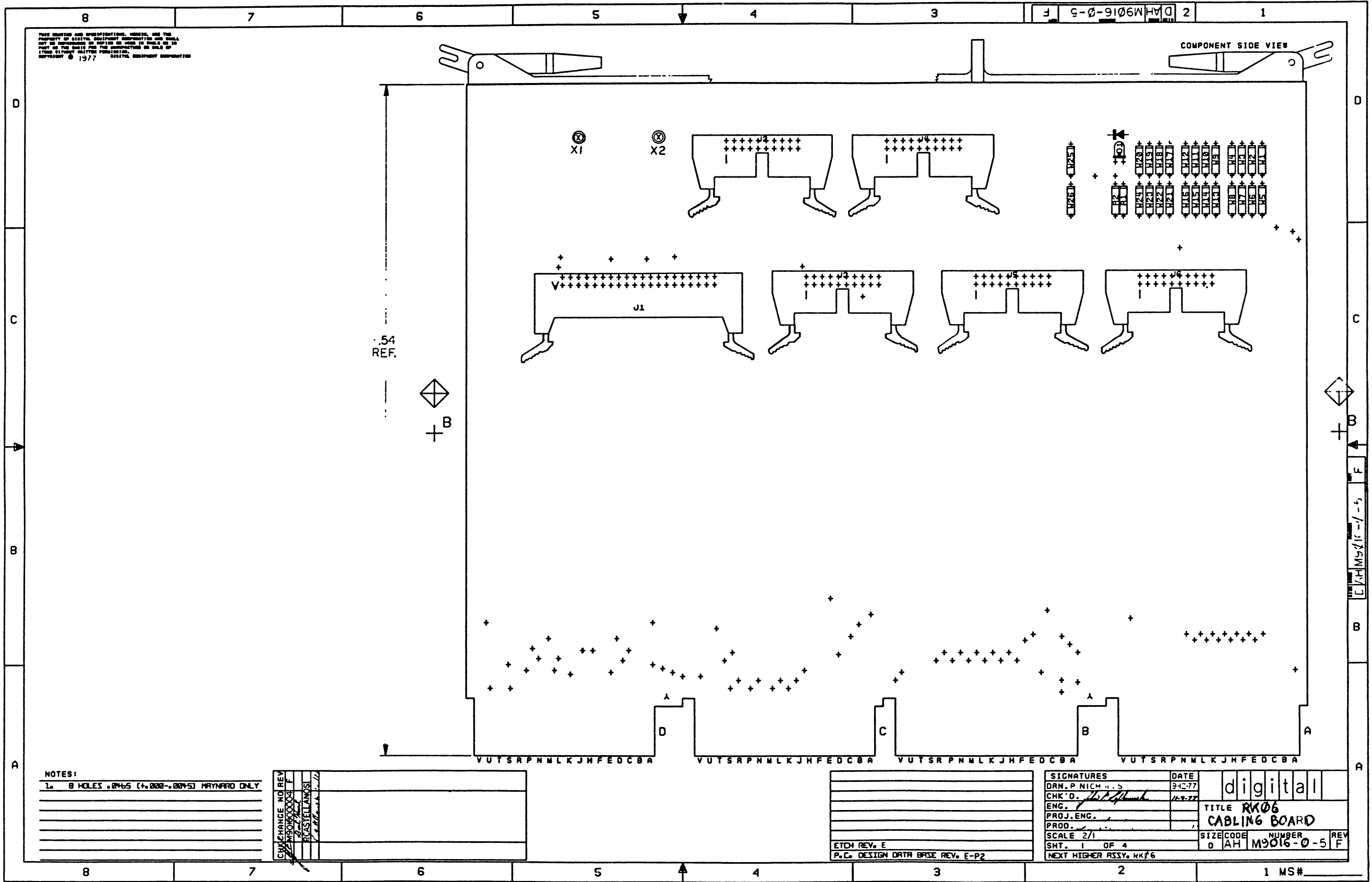
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION

D  
C  
B  
A

D  
C  
B  
A



\* COMPONENT IS MOUNTED ON HEAT SINK.



NOTES:  
1. 8 HOLES .045 (+.000-.005) MAYNARD ONLY

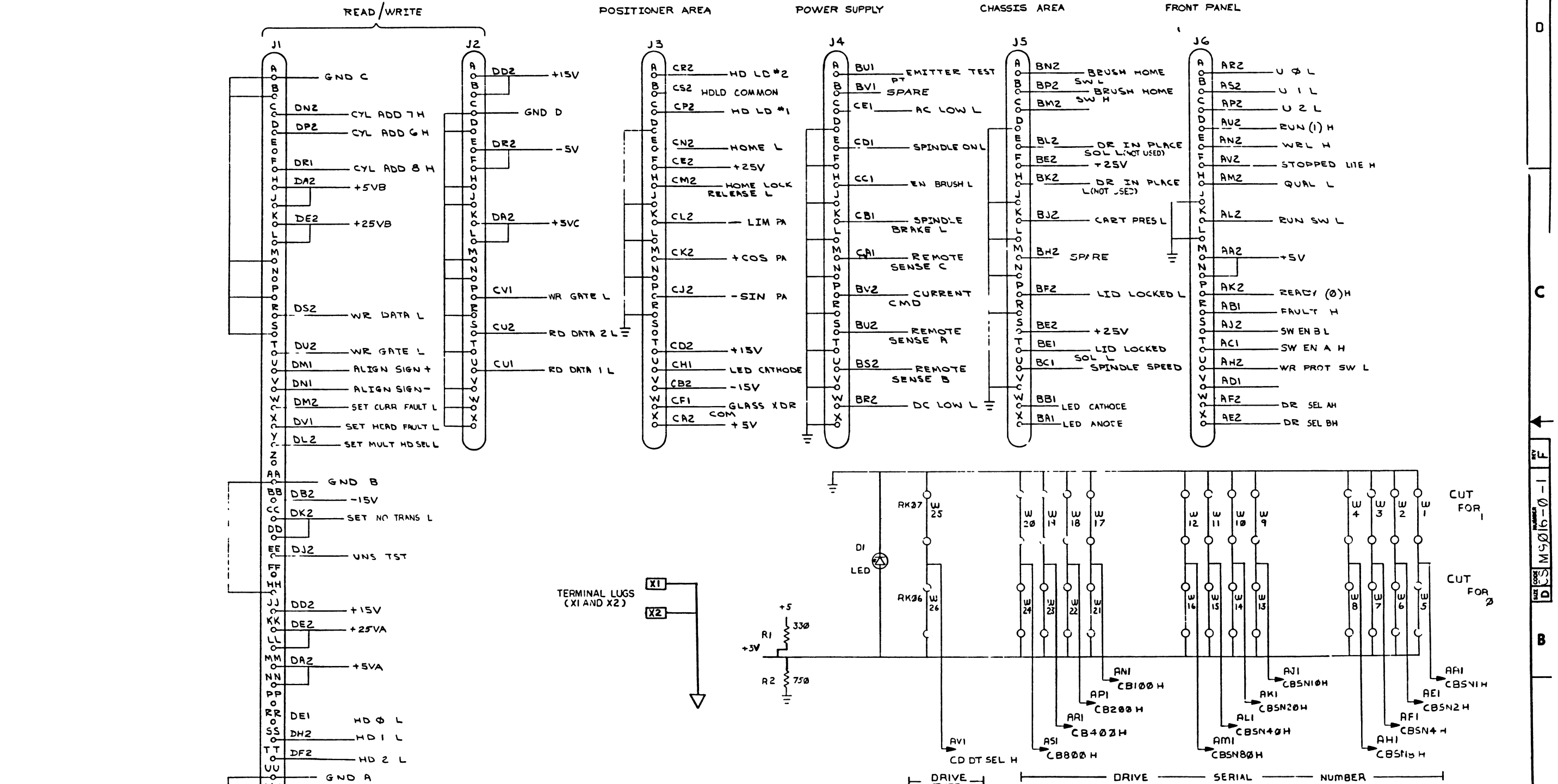
| CHANGE NO | REV |
|-----------|-----|
| 1         | 1   |
| 2         | 2   |
| 3         | 3   |
| 4         | 4   |
| 5         | 5   |
| 6         | 6   |
| 7         | 7   |
| 8         | 8   |
| 9         | 9   |
| 10        | 10  |

|                                 |
|---------------------------------|
| ETCH REV. E                     |
| P.C. DESIGN DATA BASE REV. E-P2 |

| SIGNATURES                | DATE    |
|---------------------------|---------|
| DRN. P. NICH              | 3-12-77 |
| CHK'D. <i>[Signature]</i> | 11-9-77 |
| ENG.                      |         |
| PROJ. ENG.                |         |
| PROD.                     |         |
| SCALE 2/1                 |         |
| SHT. 1 OF 4               |         |
| NEXT HIGHER ASSY. WK 6    |         |

|               |           |
|---------------|-----------|
| TITLE         | RK06      |
| CABLING BOARD |           |
| SIZE          | CODE      |
| 0             | AH        |
| NUMBER        | M9016-0-5 |
| REV           | F         |

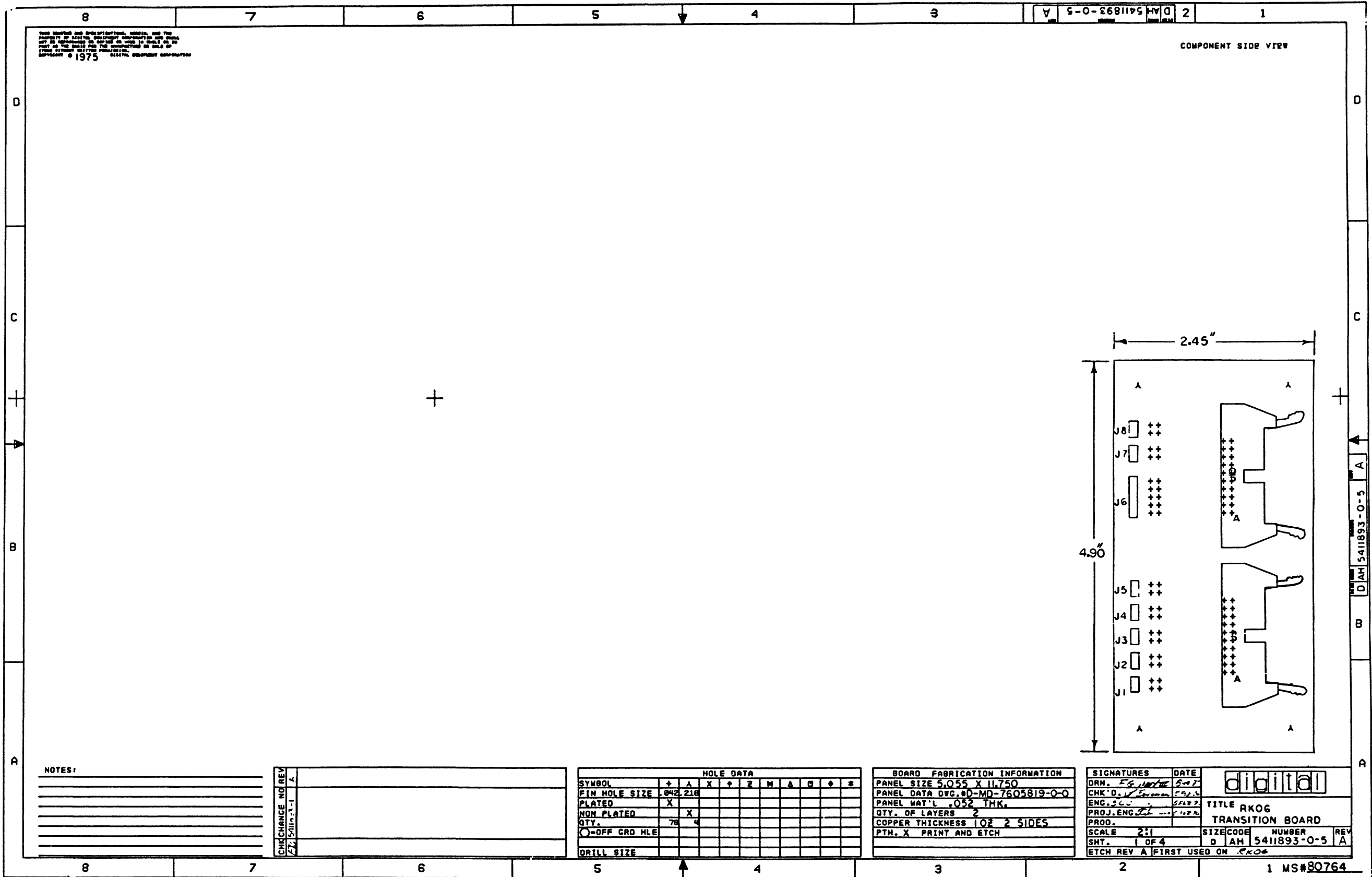
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION"



NOTE: ONE JUMPER OF EACH PAIR MUST BE CUT, OTHERWISE +3V WILL BE SHORTED TO GROUND. LED DI, WHEN LIT, INDICATES +3V IS NOT SHORTED TO GROUND.

|                |           |                  |                    |
|----------------|-----------|------------------|--------------------|
| DRN/1/1/1      | 2-25-75   | FIRST USED ON    | RK06               |
| CHK D          | 17 FEB 76 | TITLE            | RK06 CABLING BOARD |
| ENG E          | 18 MAR 76 | PROD             | 1/1/1/1            |
| PROJ ENG       | 18 MAR 76 | NEXT HIGHER ASSY |                    |
| D-UA-M9016-0-0 | SIZE CODE | NUMBER           | REV                |
| SCALE          | D         | CS M9016-0-1     | F                  |
| SHEET          | 1         | OF               | 1                  |





THIS DRAWING AND SPECIFICATIONS, HEREIN, AND THE  
PROPERTY OF DIGITAL EQUIPMENT CORPORATION. NO PART  
HEREOF IS TO BE REPRODUCED OR USED IN ANY MANNER  
WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT  
CORPORATION. © 1975

COMPONENT SIDE VIEW

NOTES:

| CHG | NO          | REV |
|-----|-------------|-----|
| 27  | 5411893-0-5 | A   |

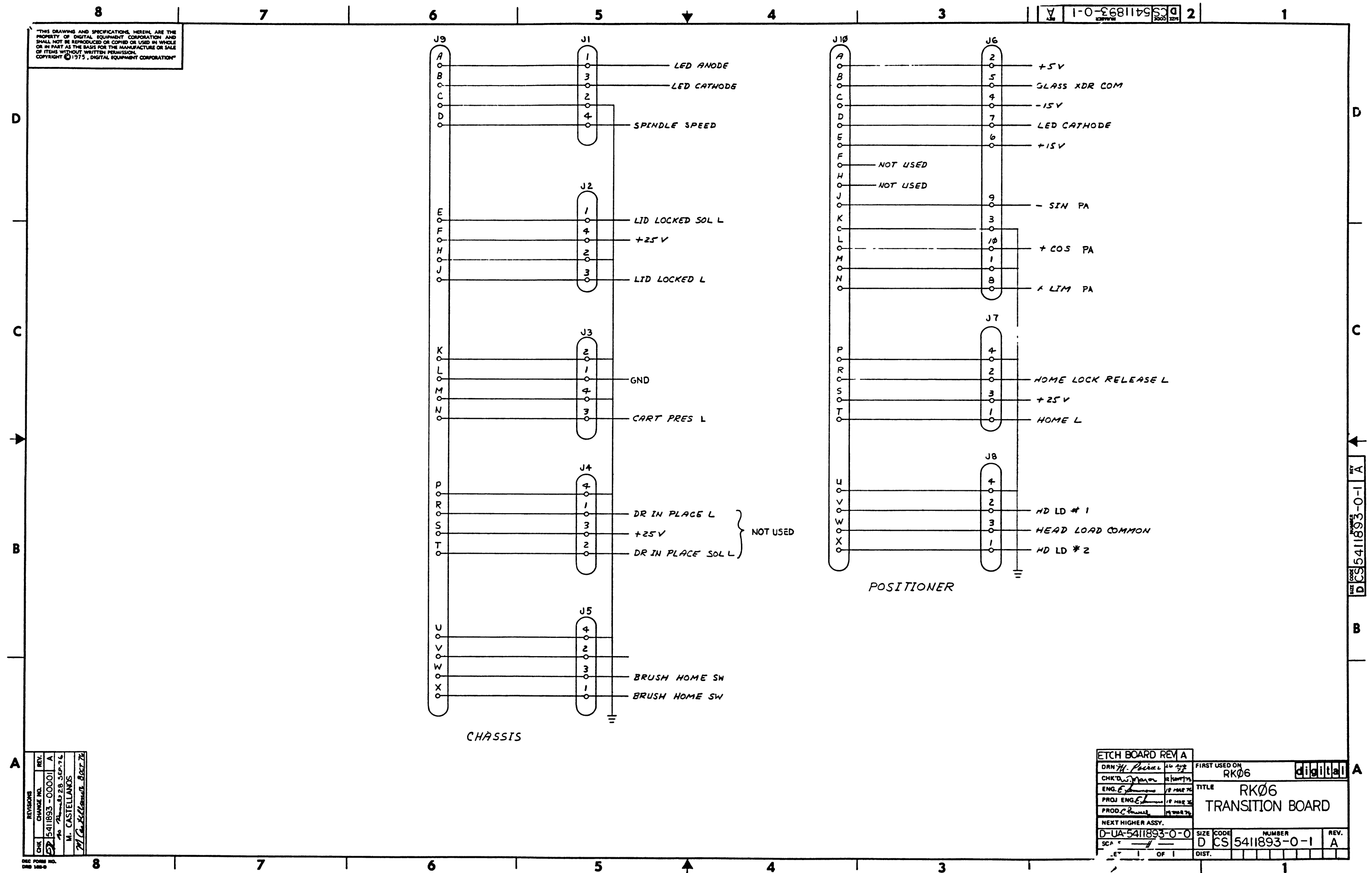
| HOLE DATA     |      |      |   |   |   |   |   |   |   |   |
|---------------|------|------|---|---|---|---|---|---|---|---|
| SYMBOL        | +    | A    | X | + | Z | M | A | D | + | * |
| FIN HOLE SIZE | .042 | .218 |   |   |   |   |   |   |   |   |
| PLATED        | X    |      |   |   |   |   |   |   |   |   |
| NON PLATED    |      | X    |   |   |   |   |   |   |   |   |
| QTY.          | 78   | 4    |   |   |   |   |   |   |   |   |
| ○-OFF CRD HLE |      |      |   |   |   |   |   |   |   |   |
| DRILL SIZE    |      |      |   |   |   |   |   |   |   |   |

| BOARD FABRICATION INFORMATION |                        |
|-------------------------------|------------------------|
| PANEL SIZE                    | 5.055 X 11.750         |
| PANEL DATA                    | DWG. 00-MD-7605819-0-0 |
| PANEL MAT'L                   | .052 THK.              |
| QTY. OF LAYERS                | 2                      |
| COPPER THICKNESS              | 10Z 2 SIDES            |
| PTH. X                        | PRINT AND ETCH         |

| SIGNATURES            | DATE                      |
|-----------------------|---------------------------|
| DRN. <i>Eg</i>        | 5-71                      |
| CHK'D. <i>...</i>     | 5-71                      |
| ENG. <i>...</i>       | 5-71                      |
| PROJ. ENG. <i>...</i> | 5-71                      |
| PROD.                 |                           |
| SCALE                 | 2:1                       |
| SMT.                  | 1 OF 4                    |
| ETCH REV A            | FIRST USED ON <i>RK06</i> |

|                  |        |
|------------------|--------|
| <b>digital</b>   |        |
| TITLE RK06       |        |
| TRANSITION BOARD |        |
| SIZE CODE        | NUMBER |
| D AH 5411893-0-5 | A      |

1 MS#80764





BLANK

This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.

COPYRIGHT © 1976  
DIGITAL EQUIPMENT CORPORATION

# NOTES:

1. THE ROUTING OF SOME WIRES ARE CRITICAL. ANY ROUTING CHANGE MUST HAVE ENGINEERING APPROVAL.

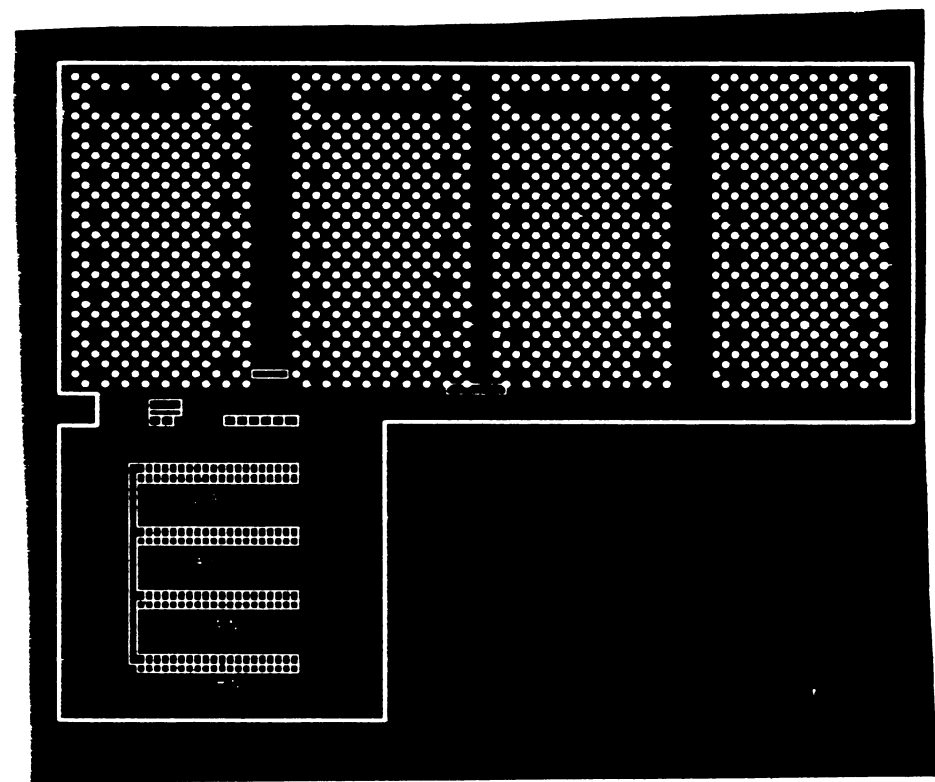
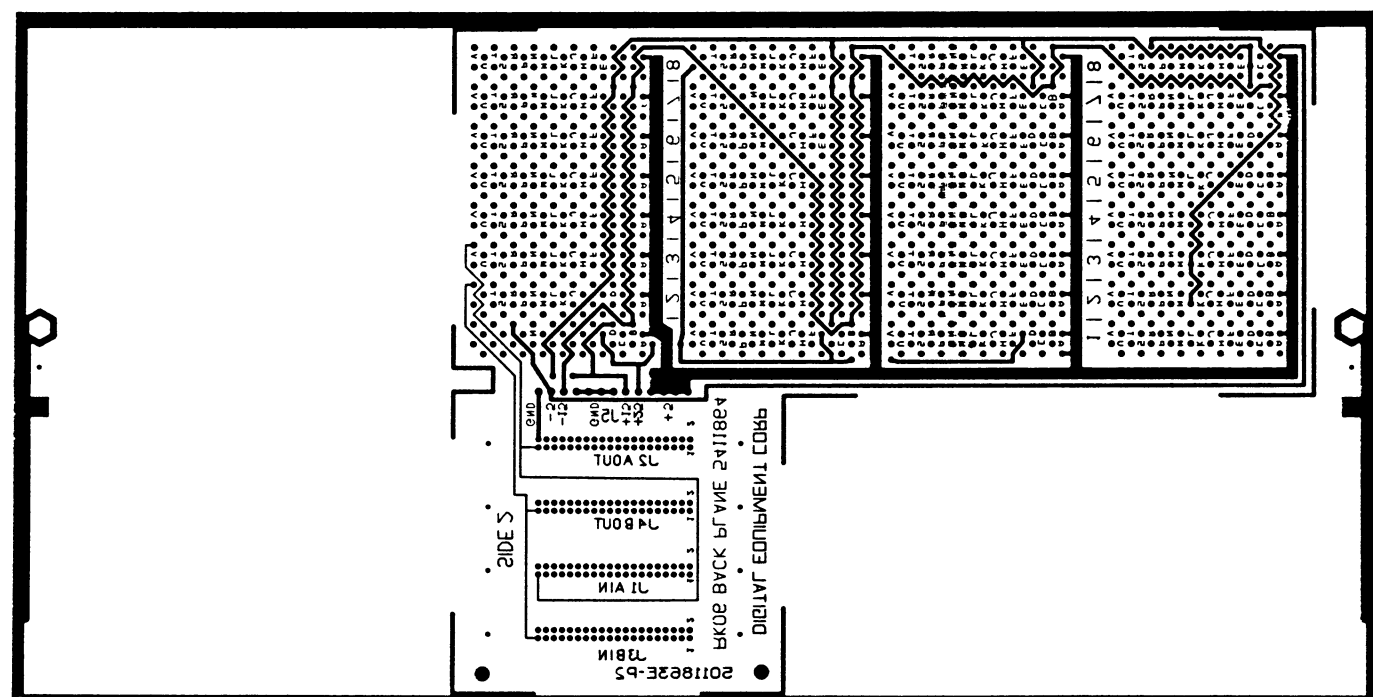
|                            |           |                                                                                                                                                      |             |               |          |
|----------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|----------|
| FIRST USED ON OPTION MODEL |           | QTY.                                                                                                                                                 | DESCRIPTION | PART NO.      | ITEM NO. |
| RKØ6                       |           |                                                                                                                                                      |             |               |          |
| PARTS LIST                 |           |                                                                                                                                                      |             |               |          |
| DRN.                       | DATE      |  <b>DIGITAL EQUIPMENT CORPORATION</b><br>MAYNARD, MASSACHUSETTS |             |               |          |
| W. Major                   | 20/APR/76 |                                                                                                                                                      |             |               |          |
| CHK'D.                     | DATE      |                                                                                                                                                      |             |               |          |
| W. Major                   | 20/APR/76 |                                                                                                                                                      |             |               |          |
| ENG.                       | DATE      |                                                                                                                                                      |             |               |          |
| W. Major                   | 4/20/76   | TITLE<br><b>WIRE LIST<br/>(SINGLE PORT)</b>                                                                                                          |             |               |          |
| PROJ. ENG.                 | DATE      |                                                                                                                                                      |             |               |          |
| W. Major                   | 4/20/76   |                                                                                                                                                      |             |               |          |
| PROD.                      | DATE      |                                                                                                                                                      |             |               |          |
| W. Major                   | 4/20/76   |                                                                                                                                                      |             |               |          |
| NEXT HIGHER ASSEMBLY       |           |                                                                                                                                                      |             |               |          |
| D-AD-7012474-0-0           |           |                                                                                                                                                      |             |               |          |
| SCALE                      | ++        | SIZE                                                                                                                                                 | CODE        | NUMBER        | REV.     |
|                            |           | K                                                                                                                                                    | WL          | 7012474-0-DBW | K        |
| SHEET                      | 1 OF 1    | DIST.                                                                                                                                                |             |               |          |

| REVISIONS |               | REV. |
|-----------|---------------|------|
| CHK       | CHANGE NO.    |      |
|           | 7012474-00001 | A    |
|           | 7012474-00002 | B    |
|           | 7012474-00003 | C    |
|           | 7012474-00004 | D    |
|           | 7012474-00005 | E    |
|           | 7012474-00008 | F    |
|           | 7012474-00009 | H    |
|           | 7012474-00010 | J    |
|           | 7012474-MØ15  | K    |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER OR FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION.  
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

1 2 3 4 5 6 7 8  
D CS 5411864-0-1 D

2 J



NOTES:

| CHG | CHANGE NO   | REV                |
|-----|-------------|--------------------|
| 242 | 5411864-0-1 | D                  |
| 243 | 5411864-0-2 | REVISED & RE-DRAWN |

| SIGNATURES           | DATE               | TITLE           |
|----------------------|--------------------|-----------------|
| OPN. Buck G. Hunt    | 7 Sep 77           | RK06 BACK PLANE |
| CHK D. J. C. - 3/76  | 27-APR 77          |                 |
| ENG. J. W. C. - 1/76 | 11-11-77           |                 |
| PROD.                |                    |                 |
| SCALE 1/1            |                    |                 |
| GHT. 1 OF 1          |                    |                 |
| ETCH REV E           | FIRST USED ON RK06 |                 |

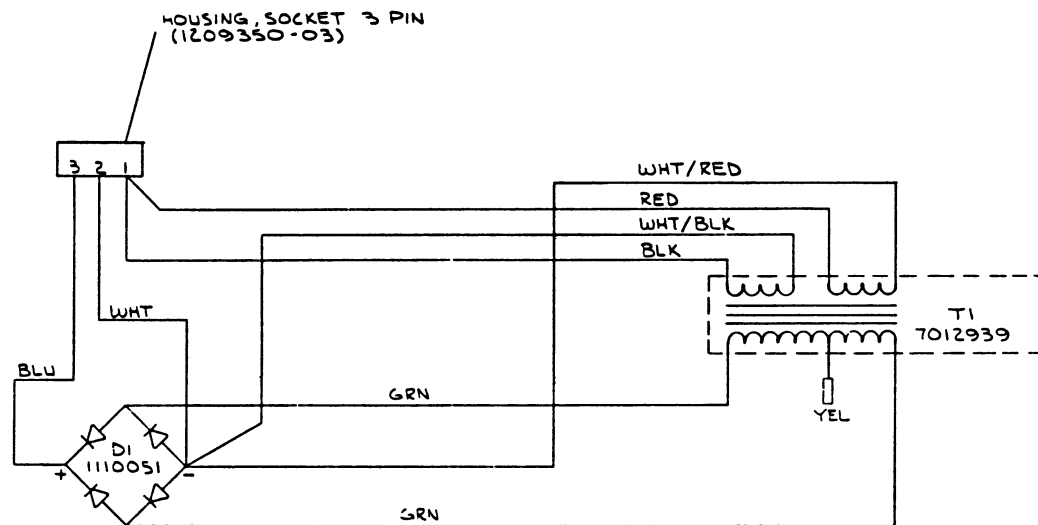
digital

RK06 BACK PLANE

SIZE CODE NUMBER REV  
D CS 5411864-0-1 D

1 MS#

"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1970, DIGITAL EQUIPMENT CORPORATION"



|                               |            |                     |                    |
|-------------------------------|------------|---------------------|--------------------|
| DRN. <i>[Signature]</i>       | 30 Jan 70  | FIRST USED ON       | 2K06 digital       |
| CHK'D. <i>[Signature]</i>     | 24 Jun 70  | TITLE               | SPINDLE BRAKE ASSY |
| ENG. <i>[Signature]</i>       | 23 July 70 | (CIRCUIT SCHEMATIC) |                    |
| PROJ. ENG. <i>[Signature]</i> | 23 July 70 |                     |                    |
| PROD. <i>[Signature]</i>      | 17 Jan 71  |                     |                    |
| NEXT HIGHER ASSY.             |            |                     |                    |
| 6-AD-7012940-0-0              | SIZE CODE  | NUMBER              | REV                |
| SCALE: NONE                   | D          | CS7012940-0-1       |                    |
| SHEET 1 OF 1                  | DIST.      |                     |                    |

THIS DRAWING AND SPECIFICATIONS, HEREIN, AND THE PROPERTY OF ANALOG, EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE CONSTRUCTION OF ANY OTHER WITHOUT WRITTEN PERMISSION. ANALOG, EQUIPMENT CORPORATION 1977

### REWORK INSTRUCTIONS

#### ECO #1

- 1-1. CUT ETCH AT E16-9, SIDE 2
- 1-2. CUT ETCH AT E16-11, SIDE 2
- 1-3. ADD WIRE FROM E16-8 TO E16-9
- 1-4. ADD WIRE FROM E15-10 TO E16-11
- 1-5. REMOVE D1 AND D2 AND REPLACE WITH JUMPERS W1 & W2 RESPECTIVELY

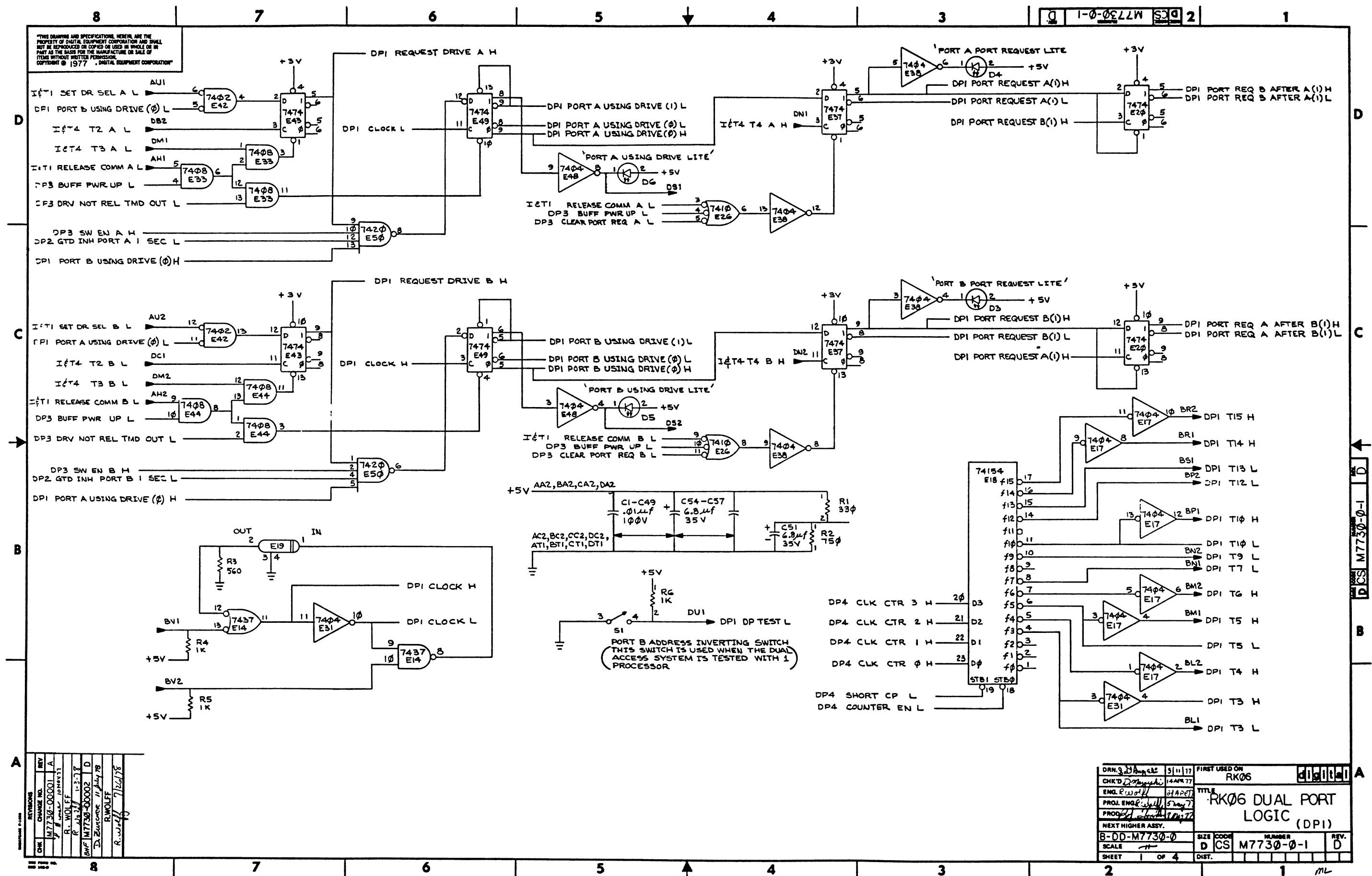
#### ECO #2

- 2-1. TRACE ETCH FROM DS1 TO SIDE 2 OF THE MODULE, CUT ETCH JUST ABOVE FEED THROUGH.
- 2-2. RUN WIRE FROM DS1 FEED THROUGH TO E48-8.
- 2-3. TRACE ETCH FROM DS2 TO SIDE 1 OF MODULE, CUT ETCH BETWEEN FEED THROUGH.
- 2-4. RUN WIRE FROM DS2 FEED THROUGH TO E48-4.
- 2-5. RUN WIRE FROM E41-11 TO E38-1.
- 2-6. CUT ETCH AT E27-2 ON SIDE 2 OF THE MODULE.
- 2-7. ADD WIRE FROM E38-2 TO E27-2.
- 2-8. ADD WIRE FROM E43-6 TO E8-13.
- 2-9. ADD WIRE FROM E43-8 TO E8-12.
- 2-10. ADD WIRE FROM E8-11 TO E5-10.
- 2-11. ADD WIRE FROM E5-9 TO E5-8.
- 2-12. ADD WIRE FROM E5-11 TO E15-13.
- 2-13. IF MODULE HAS ETCH TO E16-9, CUT ETCH TO E16-9. (ON SIDE 2 OF MODULE)
- 2-13B. IF MODULE HAS WIRE FROM E16-9 TO GROUND, REMOVE WIRE FROM E16-9 TO GROUND.
- 2-14. ADD WIRE FROM E5-5 TO E16-9.
- 2-15. INSERT A 10K RES. (R10) INTO E4-1 TO E4-16.
- 2-16. INSERT A 1000 PF CAP (C58) INTO E4-2 TO E4-15.
- 2-17. ADD WIRE FROM E5-6 TO E4-15.
- 2-18. ADD WIRE FROM E5-7 TO E4-2.
- 2-19. ADD WIRE FROM E4-1 TO E4-2.
- 2-20. REMOVE C52 FROM MODULE.

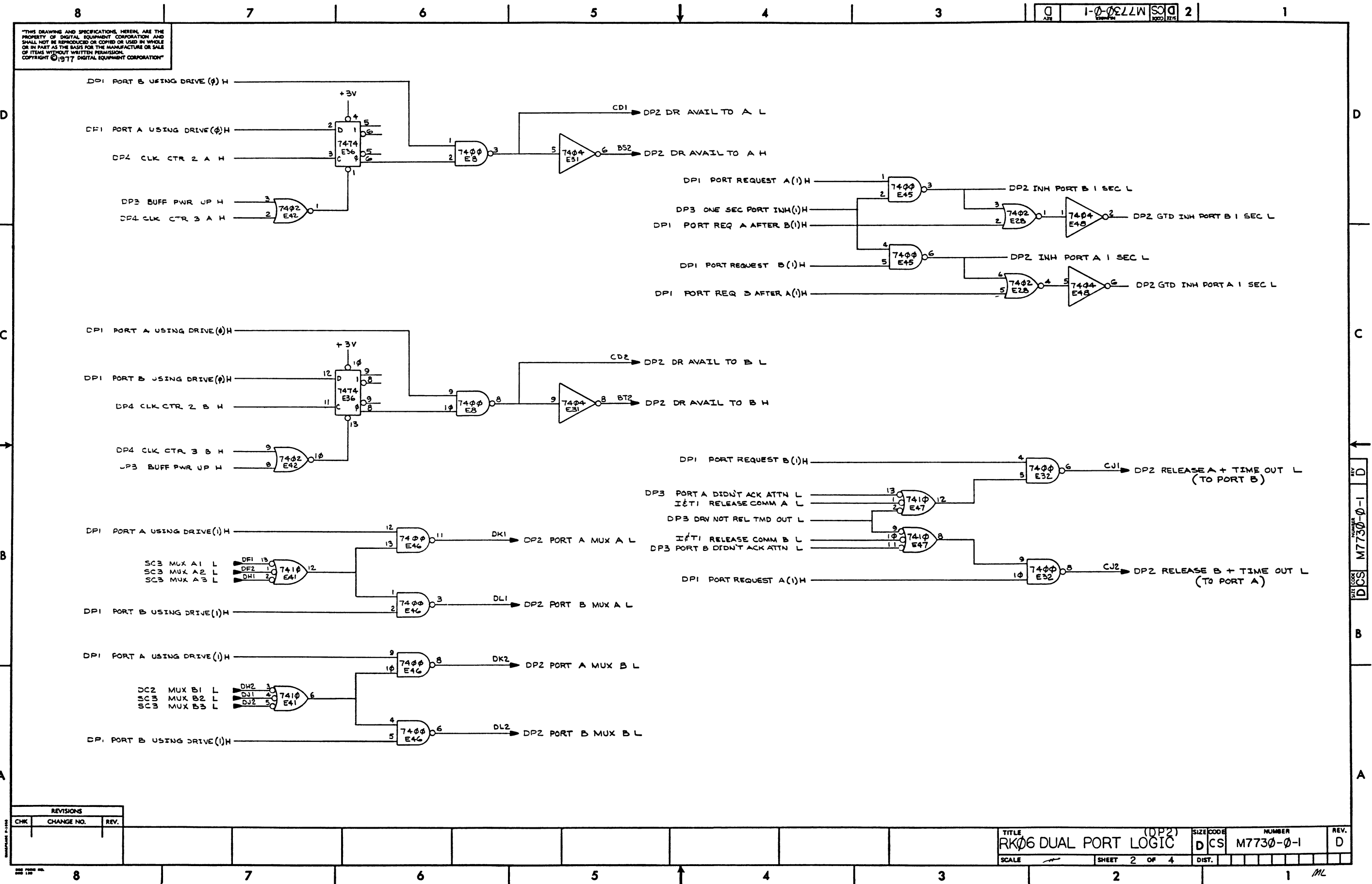
#### NOTES:

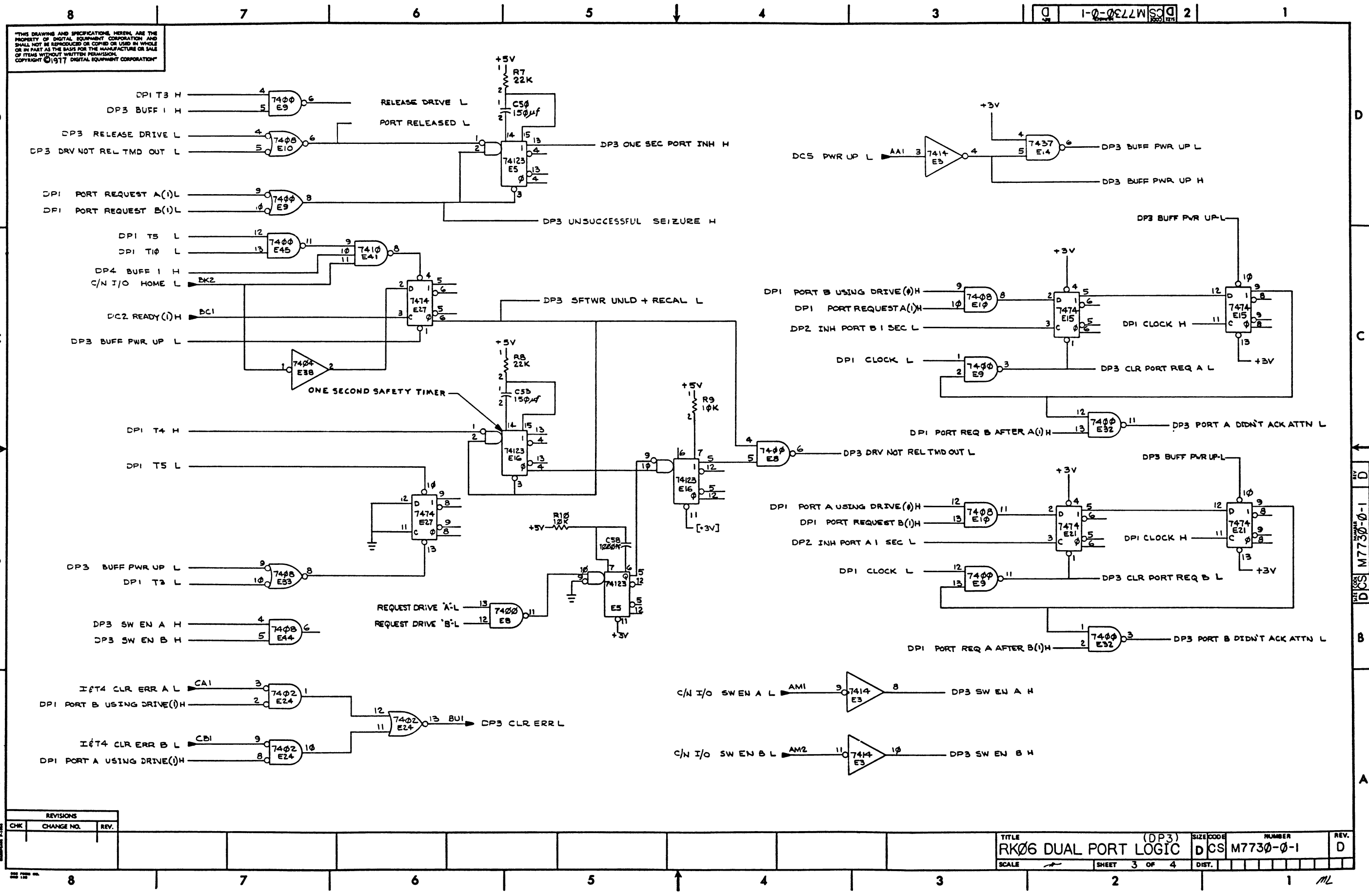
|            |     |
|------------|-----|
| CHANGE NO. | REV |
| M7730-1    | C   |
| M7730-2    | D   |
| M7730-3    | E   |
| M7730-4    | F   |
| M7730-5    | G   |
| M7730-6    | H   |
| M7730-7    | I   |
| M7730-8    | J   |
| M7730-9    | K   |
| M7730-10   | L   |
| M7730-11   | M   |
| M7730-12   | N   |
| M7730-13   | O   |
| M7730-14   | P   |
| M7730-15   | Q   |
| M7730-16   | R   |
| M7730-17   | S   |
| M7730-18   | T   |
| M7730-19   | U   |
| M7730-20   | V   |
| M7730-21   | W   |
| M7730-22   | X   |
| M7730-23   | Y   |
| M7730-24   | Z   |
| M7730-25   | AA  |
| M7730-26   | AB  |
| M7730-27   | AC  |
| M7730-28   | AD  |
| M7730-29   | AE  |
| M7730-30   | AF  |
| M7730-31   | AG  |
| M7730-32   | AH  |
| M7730-33   | AI  |
| M7730-34   | AJ  |
| M7730-35   | AK  |
| M7730-36   | AL  |
| M7730-37   | AM  |
| M7730-38   | AN  |
| M7730-39   | AO  |
| M7730-40   | AP  |
| M7730-41   | AQ  |
| M7730-42   | AR  |
| M7730-43   | AS  |
| M7730-44   | AT  |
| M7730-45   | AU  |
| M7730-46   | AV  |
| M7730-47   | AW  |
| M7730-48   | AX  |
| M7730-49   | AY  |
| M7730-50   | AZ  |
| M7730-51   | BA  |
| M7730-52   | BB  |
| M7730-53   | BC  |
| M7730-54   | BD  |
| M7730-55   | BE  |
| M7730-56   | BF  |
| M7730-57   | BG  |
| M7730-58   | BH  |
| M7730-59   | BI  |
| M7730-60   | BJ  |
| M7730-61   | BK  |
| M7730-62   | BL  |
| M7730-63   | BM  |
| M7730-64   | BN  |
| M7730-65   | BO  |
| M7730-66   | BP  |
| M7730-67   | BQ  |
| M7730-68   | BR  |
| M7730-69   | BS  |
| M7730-70   | BT  |
| M7730-71   | BU  |
| M7730-72   | BV  |
| M7730-73   | BW  |
| M7730-74   | BX  |
| M7730-75   | BY  |
| M7730-76   | BZ  |
| M7730-77   | CA  |
| M7730-78   | CB  |
| M7730-79   | CC  |
| M7730-80   | CD  |
| M7730-81   | CE  |
| M7730-82   | CF  |
| M7730-83   | CG  |
| M7730-84   | CH  |
| M7730-85   | CI  |
| M7730-86   | CJ  |
| M7730-87   | CK  |
| M7730-88   | CL  |
| M7730-89   | CM  |
| M7730-90   | CN  |
| M7730-91   | CO  |
| M7730-92   | CP  |
| M7730-93   | CQ  |
| M7730-94   | CR  |
| M7730-95   | CS  |
| M7730-96   | CT  |
| M7730-97   | CU  |
| M7730-98   | CV  |
| M7730-99   | CW  |
| M7730-100  | CX  |
| M7730-101  | CY  |
| M7730-102  | CZ  |
| M7730-103  | DA  |
| M7730-104  | DB  |
| M7730-105  | DC  |
| M7730-106  | DD  |
| M7730-107  | DE  |
| M7730-108  | DF  |
| M7730-109  | DG  |
| M7730-110  | DH  |
| M7730-111  | DI  |
| M7730-112  | DJ  |
| M7730-113  | DK  |
| M7730-114  | DL  |
| M7730-115  | DM  |
| M7730-116  | DN  |
| M7730-117  | DO  |
| M7730-118  | DP  |
| M7730-119  | DQ  |
| M7730-120  | DR  |
| M7730-121  | DS  |
| M7730-122  | DT  |
| M7730-123  | DU  |
| M7730-124  | DV  |
| M7730-125  | DW  |
| M7730-126  | DX  |
| M7730-127  | DY  |
| M7730-128  | DZ  |
| M7730-129  | EA  |
| M7730-130  | EB  |
| M7730-131  | EC  |
| M7730-132  | ED  |
| M7730-133  | EE  |
| M7730-134  | EF  |
| M7730-135  | EG  |
| M7730-136  | EH  |
| M7730-137  | EI  |
| M7730-138  | EJ  |
| M7730-139  | EK  |
| M7730-140  | EL  |
| M7730-141  | EM  |
| M7730-142  | EN  |
| M7730-143  | EO  |
| M7730-144  | EP  |
| M7730-145  | EQ  |
| M7730-146  | ER  |
| M7730-147  | ES  |
| M7730-148  | ET  |
| M7730-149  | EU  |
| M7730-150  | EV  |
| M7730-151  | EW  |
| M7730-152  | EX  |
| M7730-153  | EY  |
| M7730-154  | EZ  |
| M7730-155  | FA  |
| M7730-156  | FB  |
| M7730-157  | FC  |
| M7730-158  | FD  |
| M7730-159  | FE  |
| M7730-160  | FF  |
| M7730-161  | FG  |
| M7730-162  | FH  |
| M7730-163  | FI  |
| M7730-164  | FJ  |
| M7730-165  | FK  |
| M7730-166  | FL  |
| M7730-167  | FM  |
| M7730-168  | FN  |
| M7730-169  | FO  |
| M7730-170  | FP  |
| M7730-171  | FQ  |
| M7730-172  | FR  |
| M7730-173  | FS  |
| M7730-174  | FT  |
| M7730-175  | FU  |
| M7730-176  | FV  |
| M7730-177  | FW  |
| M7730-178  | FX  |
| M7730-179  | FY  |
| M7730-180  | FZ  |
| M7730-181  | GA  |
| M7730-182  | GB  |
| M7730-183  | GC  |
| M7730-184  | GD  |
| M7730-185  | GE  |
| M7730-186  | GF  |
| M7730-187  | GG  |
| M7730-188  | GH  |
| M7730-189  | GI  |
| M7730-190  | GJ  |
| M7730-191  | GK  |
| M7730-192  | GL  |
| M7730-193  | GM  |
| M7730-194  | GN  |
| M7730-195  | GO  |
| M7730-196  | GP  |
| M7730-197  | GQ  |
| M7730-198  | GR  |
| M7730-199  | GS  |
| M7730-200  | GT  |
| M7730-201  | GU  |
| M7730-202  | GV  |
| M7730-203  | GW  |
| M7730-204  | GX  |
| M7730-205  | GY  |
| M7730-206  | GZ  |
| M7730-207  | HA  |
| M7730-208  | HB  |
| M7730-209  | HC  |
| M7730-210  | HD  |
| M7730-211  | HE  |
| M7730-212  | HF  |
| M7730-213  | HG  |
| M7730-214  | HH  |
| M7730-215  | HI  |
| M7730-216  | HJ  |
| M7730-217  | HK  |
| M7730-218  | HL  |
| M7730-219  | HM  |
| M7730-220  | HN  |
| M7730-221  | HO  |
| M7730-222  | HP  |
| M7730-223  | HQ  |
| M7730-224  | HR  |
| M7730-225  | HS  |
| M7730-226  | HT  |
| M7730-227  | HU  |
| M7730-228  | HV  |
| M7730-229  | HW  |
| M7730-230  | HX  |
| M7730-231  | HY  |
| M7730-232  | HZ  |
| M7730-233  | IA  |
| M7730-234  | IB  |
| M7730-235  | IC  |
| M7730-236  | ID  |
| M7730-237  | IE  |
| M7730-238  | IF  |
| M7730-239  | IG  |
| M7730-240  | IH  |
| M7730-241  | II  |
| M7730-242  | IJ  |
| M7730-243  | IK  |
| M7730-244  | IL  |
| M7730-245  | IM  |
| M7730-246  | IN  |
| M7730-247  | IO  |
| M7730-248  | IP  |
| M7730-249  | IQ  |
| M7730-250  | IR  |
| M7730-251  | IS  |
| M7730-252  | IT  |
| M7730-253  | IU  |
| M7730-254  | IV  |
| M7730-255  | IW  |
| M7730-256  | IX  |
| M7730-257  | IY  |
| M7730-258  | IZ  |
| M7730-259  | JA  |
| M7730-260  | JB  |
| M7730-261  | JC  |
| M7730-262  | JD  |
| M7730-263  | JE  |
| M7730-264  | JF  |
| M7730-265  | JG  |
| M7730-266  | JH  |
| M7730-267  | JI  |
| M7730-268  | JJ  |
| M7730-269  | JK  |
| M7730-270  | JL  |
| M7730-271  | JM  |
| M7730-272  | JN  |
| M7730-273  | JO  |
| M7730-274  | JP  |
| M7730-275  | JQ  |
| M7730-276  | JR  |
| M7730-277  | JS  |
| M7730-278  | JT  |
| M7730-279  | JU  |
| M7730-280  | JV  |
| M7730-281  | JW  |
| M7730-282  | JX  |
| M7730-283  | JY  |
| M7730-284  | JZ  |
| M7730-285  | KA  |
| M7730-286  | KB  |
| M7730-287  | KC  |
| M7730-288  | KD  |
| M7730-289  | KE  |
| M7730-290  | KF  |
| M7730-291  | KG  |
| M7730-292  | KH  |
| M7730-293  | KI  |
| M7730-294  | KJ  |
| M7730-295  | KK  |
| M7730-296  | KL  |
| M7730-297  | KM  |
| M7730-298  | KN  |
| M7730-299  | KO  |
| M7730-300  | KP  |
| M7730-301  | KQ  |
| M7730-302  | KR  |
| M7730-303  | KS  |
| M7730-304  | KT  |
| M7730-305  | KU  |
| M7730-306  | KV  |
| M7730-307  | KW  |
| M7730-308  | KX  |
| M7730-309  | KY  |
| M7730-310  | KZ  |
| M7730-311  | LA  |
| M7730-312  | LB  |
| M7730-313  | LC  |
| M7730-314  | LD  |
| M7730-315  | LE  |
| M7730-316  | LF  |
| M7730-317  | LG  |
| M7730-318  | LH  |
| M7730-319  | LI  |
| M7730-320  | LJ  |
| M7730-321  | LK  |
| M7730-322  | LL  |
| M7730-323  | LM  |
| M7730-324  | LN  |
| M7730-325  | LO  |
| M7730-326  | LP  |
| M7730-327  | LQ  |
| M7730-328  | LR  |
| M7730-329  | LS  |
| M7730-330  | LT  |
| M7730-331  | LU  |
| M7730-332  | LV  |
| M7730-333  | LW  |
| M7730-334  | LX  |
| M7730-335  | LY  |
| M7730-336  | LZ  |
| M7730-337  | MA  |
| M7730-338  | MB  |
| M7730-339  | MC  |
| M7730-340  | MD  |
| M7730-341  | ME  |
| M7730-342  | MF  |
| M7730-343  | MG  |
| M7730-344  | MH  |
| M7730-345  | MI  |
| M7730-346  | MJ  |
| M7730-347  | MK  |
| M7730-348  | ML  |
| M7730-349  | MM  |
| M7730-350  | MN  |
| M7730-351  | MO  |
| M7730-352  | MP  |
| M7730-353  | MQ  |
| M7730-354  | MR  |
| M7730-355  | MS  |
| M7730-356  | MT  |
| M7730-357  | MU  |
| M7730-358  | MV  |
| M7730-359  | MW  |
| M7730-360  | MX  |
| M7730-361  | MY  |
| M7730-362  | MZ  |
| M7730-363  | NA  |
| M7730-364  | NB  |
| M7730-365  | NC  |
| M7730-366  | ND  |
| M7730-367  | NE  |
| M7730-368  | NF  |
| M7730-369  | NG  |
| M7730-370  | NH  |
| M7730-371  | NI  |
| M7730-372  | NJ  |
| M7730-373  | NK  |
| M7730-374  | NL  |
| M7730-375  | NM  |
| M7730-376  | NN  |
| M7730-377  | NO  |
| M7730-378  | NP  |
| M7730-379  | NQ  |
| M7730-380  | NR  |
| M7730-381  | NS  |
| M7730-382  | NT  |
| M7730-383  | NU  |
| M7730-384  | NV  |
| M7730-385  | NW  |
| M7730-386  | NX  |
| M7730-387  | NY  |
| M7730-388  | NZ  |
| M7730-389  | OA  |
| M7730-390  | OB  |
| M7730-391  | OC  |
| M7730-392  | OD  |
| M7730-393  | OE  |
| M7730-394  | OF  |
| M7730-395  | OG  |
| M7730-396  | OH  |
| M7730-397  | OI  |
| M7730-398  | OJ  |
| M7730-399  | OK  |
| M7730-400  | OL  |
| M7730-401  | OM  |
| M7730-402  | ON  |
| M7730-403  | OO  |
| M7730-404  | OP  |
| M7730-405  | OQ  |
| M7730-406  | OR  |
| M7730-407  | OS  |
| M7730-408  | OT  |
| M7730-409  | OU  |
| M7730-410  | OV  |
| M7730-411  | OW  |
| M7730-412  | OX  |
| M7730-413  | OY  |
| M7730-414  | OZ  |
| M7730-415  | PA  |
| M7730-416  | PB  |
| M7730-417  | PC  |
| M7730-418  | PD  |
| M7730-419  | PE  |
| M7730-420  | PF  |
| M7730-421  | PG  |
| M7730-422  | PH  |
| M7730-423  | PI  |
| M7730-424  | PJ  |
| M7730-425  | PK  |
| M7730-426  | PL  |
| M7730-427  | PM  |
| M7730-428  | PN  |
| M7730-429  | PO  |
| M7730-430  | PP  |
| M7730-431  | PQ  |
| M7730-432  | PR  |
| M7730-433  | PS  |
| M7730-434  | PT  |
| M7730-435  | PU  |
| M7730-436  | PV  |
| M7730-437  | PW  |
| M7730-438  | PX  |
| M7730-439  | PY  |
| M7730-440  | PZ  |
| M7730-441  | QA  |
| M7730-442  | QB  |
| M7730-443  | QC  |
| M7730-444  | QD  |
| M7730-445  | QE  |
| M7730-446  | QF  |
| M7730-447  | QG  |
| M7730-448  | QH  |
| M7730-449  | QI  |
| M7730-450  | QJ  |
| M7730-451  | QK  |
| M7730-452  | QL  |
| M7730-453  | QM  |
| M7730-454  | QN  |
| M7730-455  | QO  |
| M7730-456  | QP  |
| M7730-457  | QQ  |
| M7730-458  | QR  |
| M7730-459  | QS  |
| M7730-460  | QT  |
| M7730-461  | QU  |
| M7730-462  | QV  |
| M7730-463  | QW  |
| M7730-464  | QX  |
| M7730-465  | QY  |
| M7730-466  | QZ  |
| M7730-467  | RA  |
| M7730-468  | RB  |
| M7730-469  | RC  |
| M7730-470  | RD  |
| M7730-471  | RE  |
| M7730-472  | RF  |
| M7730-473  | RG  |
| M7730-474  | RH  |
| M7730-475  | RI  |
| M7730-476  | RJ  |
| M7730-477  | RK  |
| M7730-478  | RL  |
| M7730-479  | RM  |
| M7730-480  | RN  |
| M7730-481  | RO  |
| M7730-482  | RP  |
| M7730-483  | RQ  |
| M7730-484  | RR  |
| M7730-485  | RS  |
| M7730-486  | RT  |
| M7730-487  | RU  |
| M7730-488  | RV  |
| M7730-489  | RW  |
| M7730-490  | RX  |
| M7730-491  | RY  |
| M7730-492  | RZ  |
| M7730-493  | SA  |
| M7730-494  | SB  |
| M7730-495  | SC  |
| M7730-496  | SD  |
| M7730-497  | SE  |





|                               |           |               |           |
|-------------------------------|-----------|---------------|-----------|
| DRN. 9.2.1.1                  | 5/11/77   | FIRST USED ON | RK06      |
| CHK'D. <i>[Signature]</i>     | 14 APR 77 |               |           |
| ENG. <i>[Signature]</i>       | 14 APR 77 |               |           |
| PROJ. ENG. <i>[Signature]</i> | 14 APR 77 |               |           |
| PROD. <i>[Signature]</i>      | 14 APR 77 |               |           |
| NEXT HIGHER ASSY.             |           |               |           |
| B-00-M7730-0                  |           | SIZE CODE     | NUMBER    |
| SCALE                         |           | D CS          | M7730-0-1 |
| SHEET                         | OF 4      | DIST.         |           |

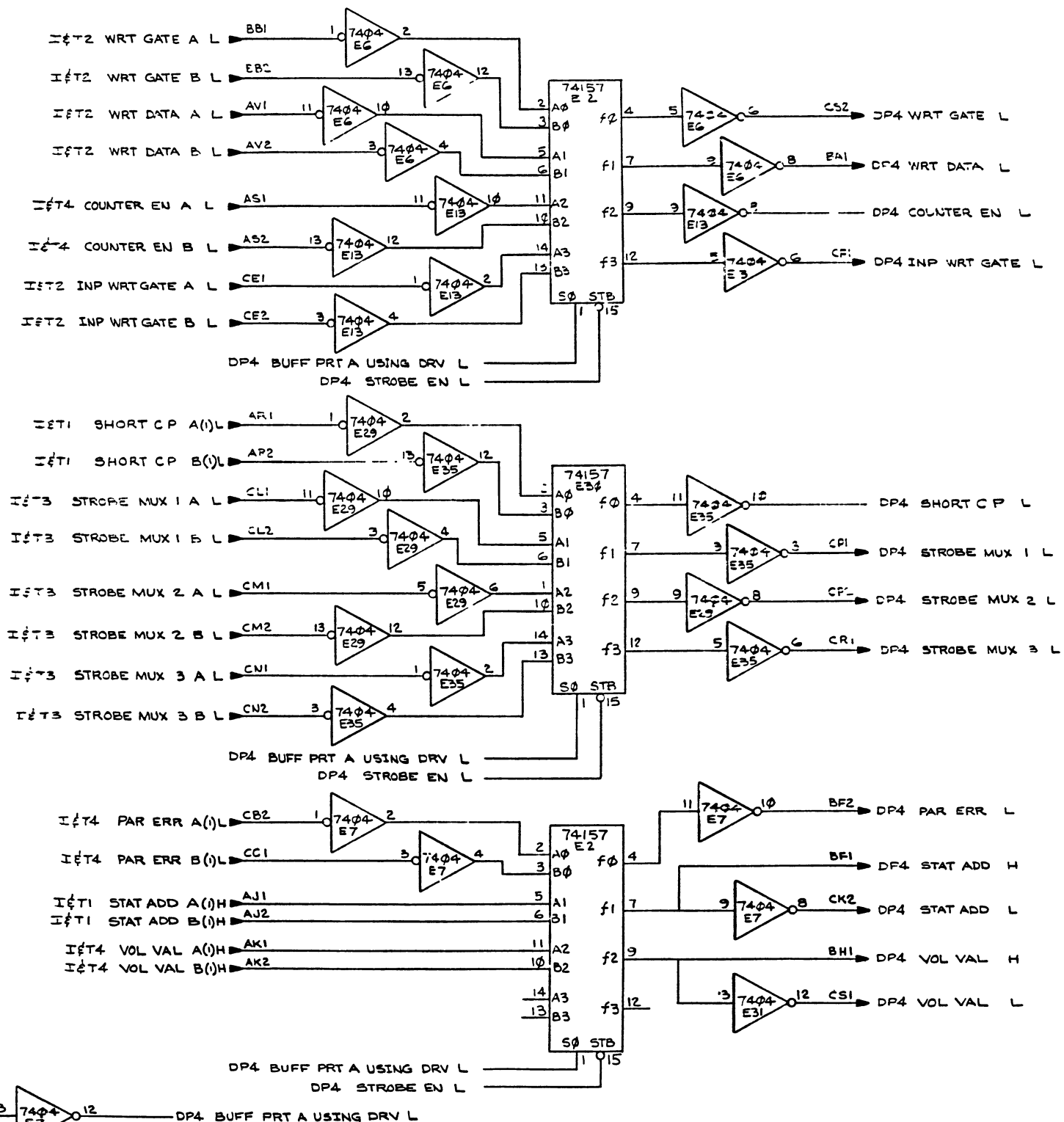
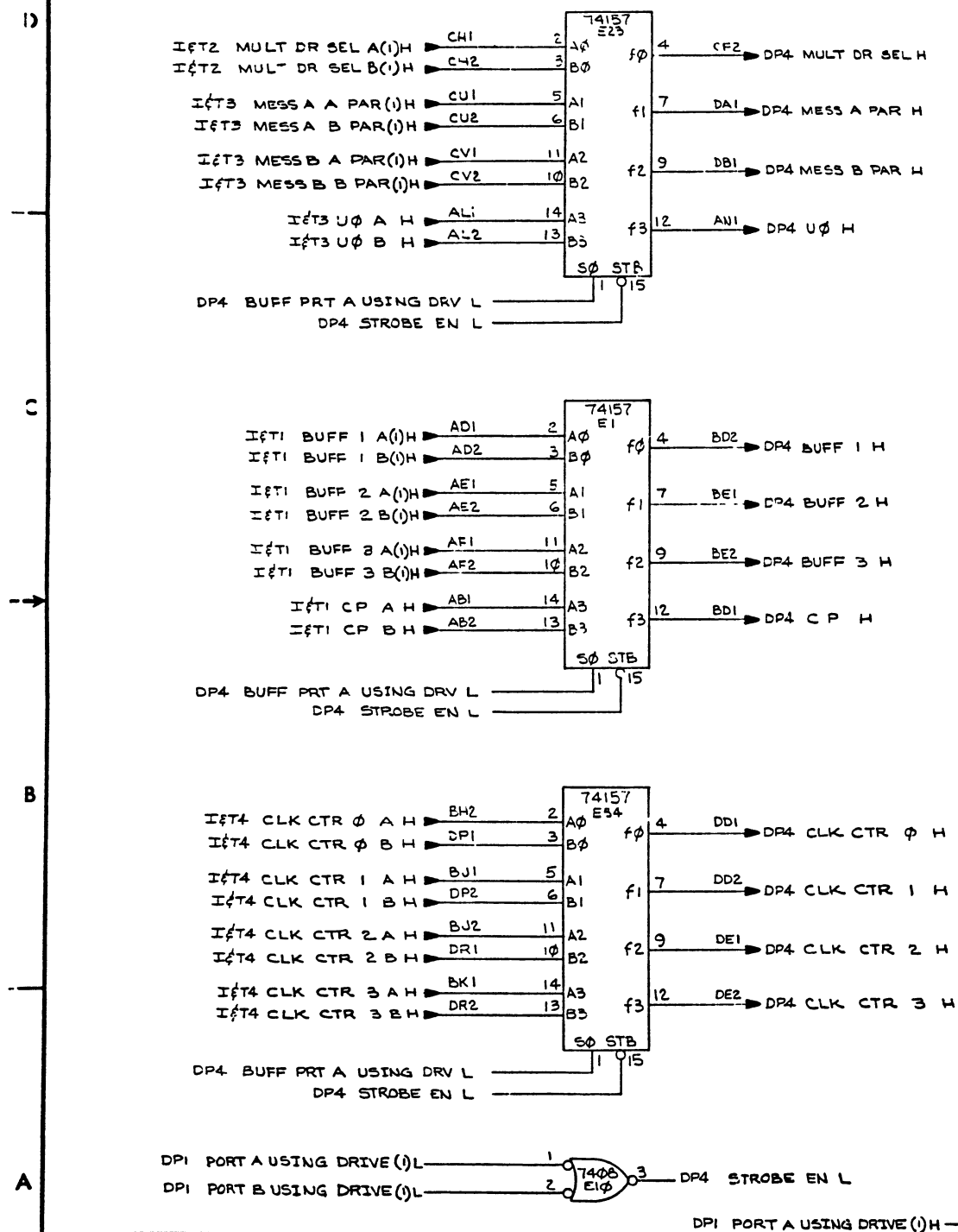




| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |

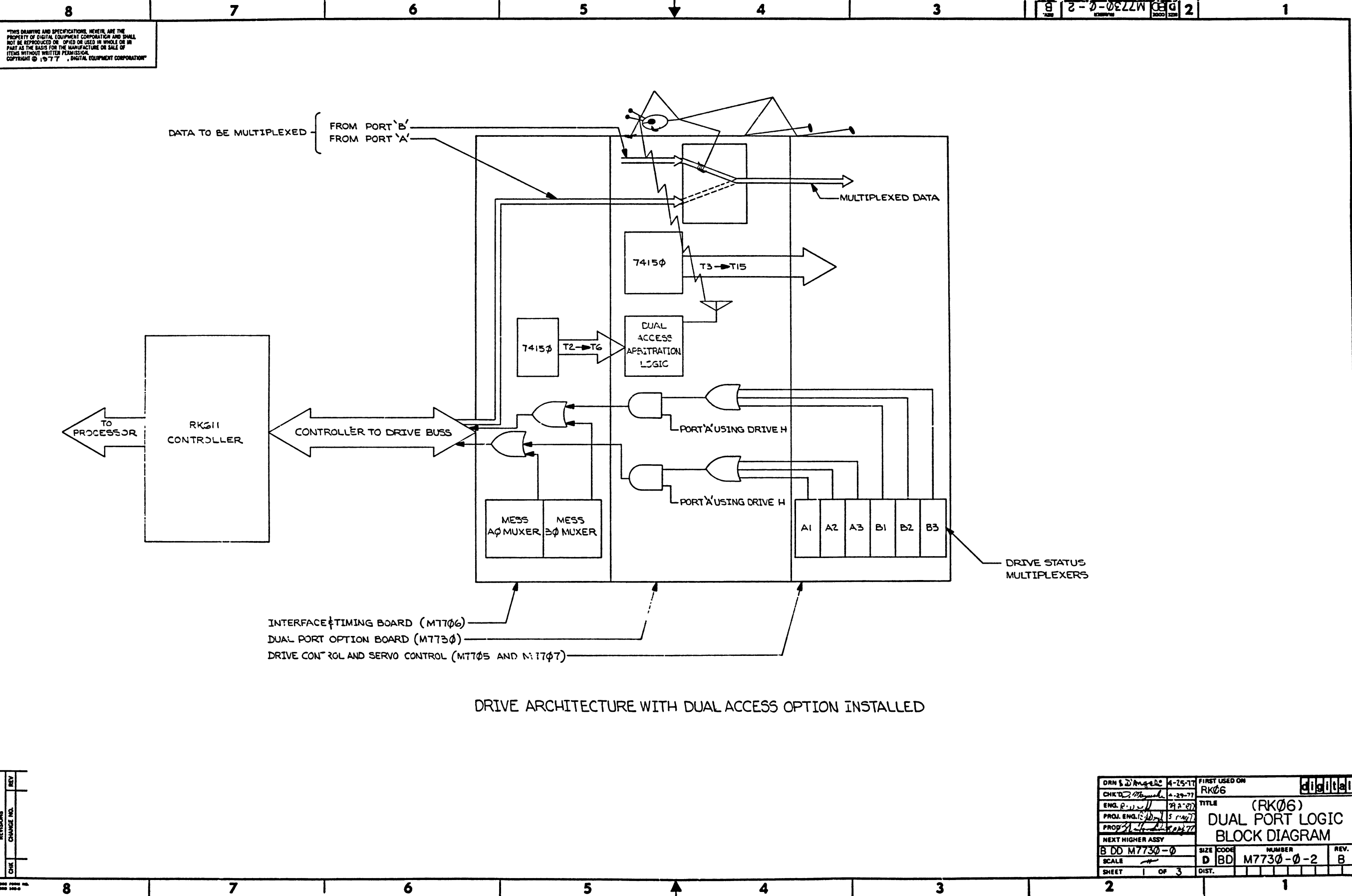
|                      |  |              |      |           |        |      |
|----------------------|--|--------------|------|-----------|--------|------|
| TITLE                |  | (DP3)        | SIZE | CODE      | NUMBER | REV. |
| RK06 DUAL PORT LOGIC |  | D            | CS   | M7730-0-1 | D      | D    |
| SCALE                |  | SHEET 3 OF 4 |      | DIST.     |        |      |

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |
|           |            |      |

|                      |  |       |           |           |       |
|----------------------|--|-------|-----------|-----------|-------|
| TITLE                |  | (DP4) | SIZE CODE | NUMBER    | REV.  |
| RK06 DUAL PORT LOGIC |  | D     | CS        | M7730-0-1 | D     |
| SCALE                |  | SHEET |           | 4 OF 4    | DIST. |



| REV | CHG | REVISIONS |
|-----|-----|-----------|
| 1   |     |           |

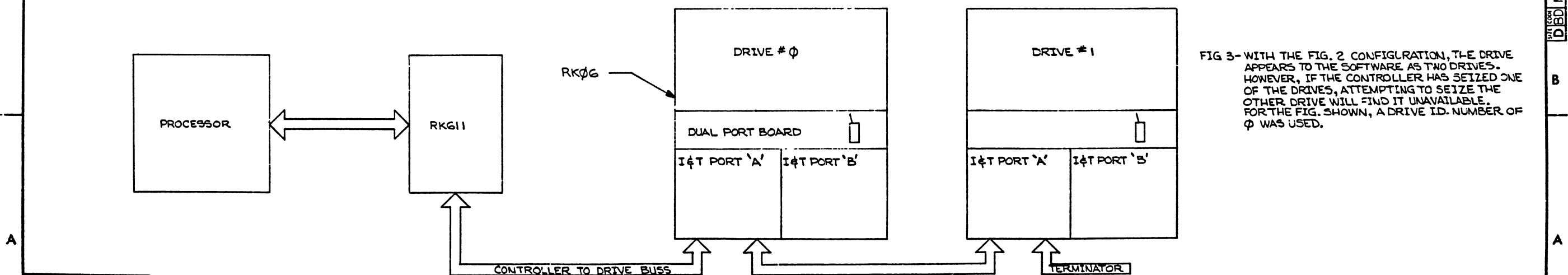
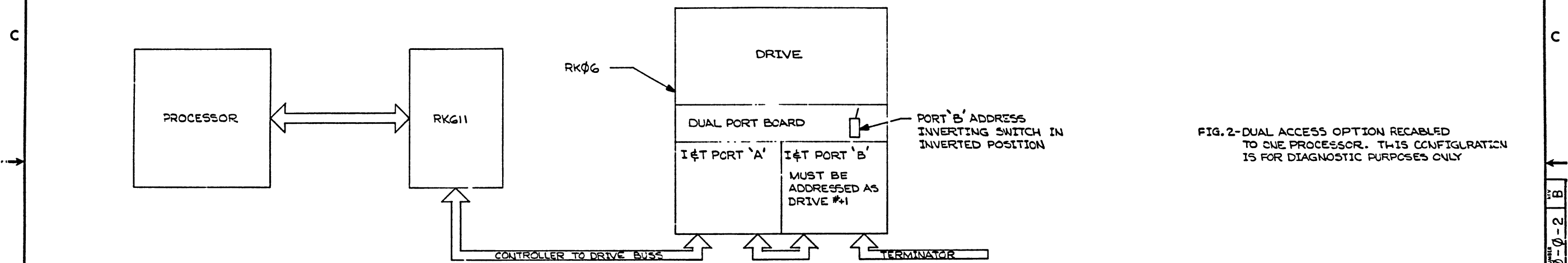
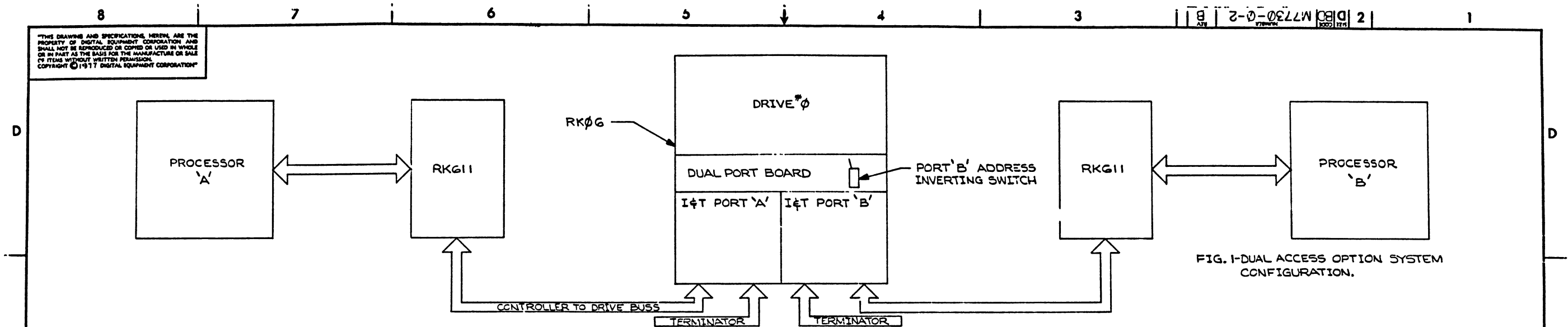
|                          |         |                 |           |         |
|--------------------------|---------|-----------------|-----------|---------|
| DRW: J. D. Amadio        | 4-25-77 | FIRST USED ON   | RK06      | digital |
| CHK'D: J. D. Amadio      | 4-29-77 | TITLE           | (RK06)    |         |
| ENGR: P. J. ...          | 5-2-77  | DUAL PORT LOGIC |           |         |
| PROJ. ENGR: J. D. Amadio | 5-1-77  | BLOCK DIAGRAM   |           |         |
| PROP'D: J. D. Amadio     | 4-25-77 |                 |           |         |
| NEXT HIGHER ASSY         |         |                 |           |         |
| B 00 M7730-0             | SIZE    | CODE            | NUMBER    | REV.    |
| SCALE                    | D       | BD              | M7730-0-2 | B       |
| SHEET                    | 1       | OF              | 3         | DIST.   |

|   |      |      |           |     |
|---|------|------|-----------|-----|
| 2 | DATE | CODE | NUMBER    | REV |
|   |      | BD   | M7730-0-2 | B   |



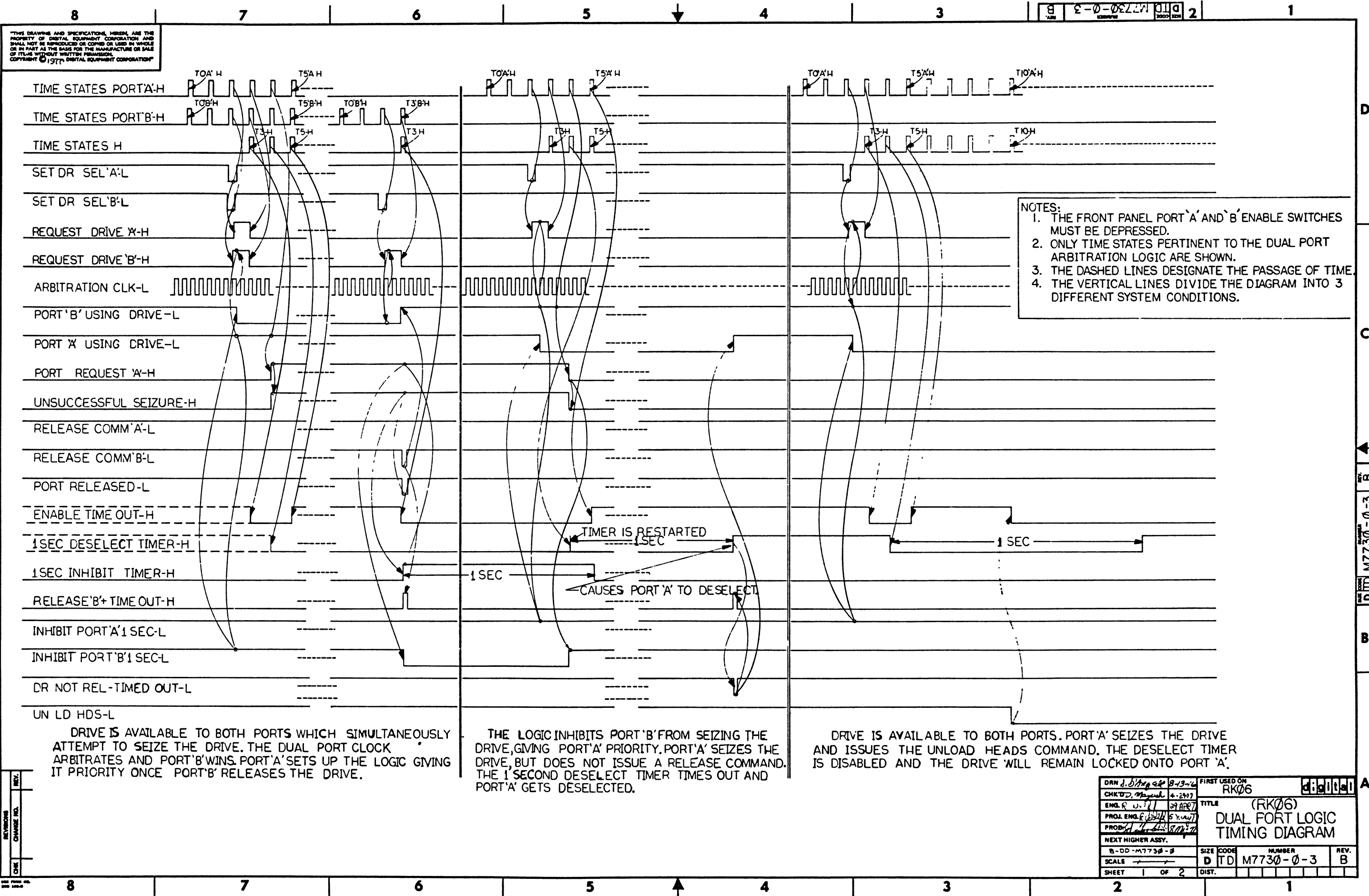
|                                               |              |       |      |           |      |
|-----------------------------------------------|--------------|-------|------|-----------|------|
| TITLE (RK06) DUAL PORT LOGIC<br>BLOCK DIAGRAM |              | SIZE  | CODE | NUMBER    | REV. |
|                                               |              | D     | BD   | M7730-0-2 | B    |
| SCALE                                         | SHEET 2 OF 3 | DIST. |      |           |      |

"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |

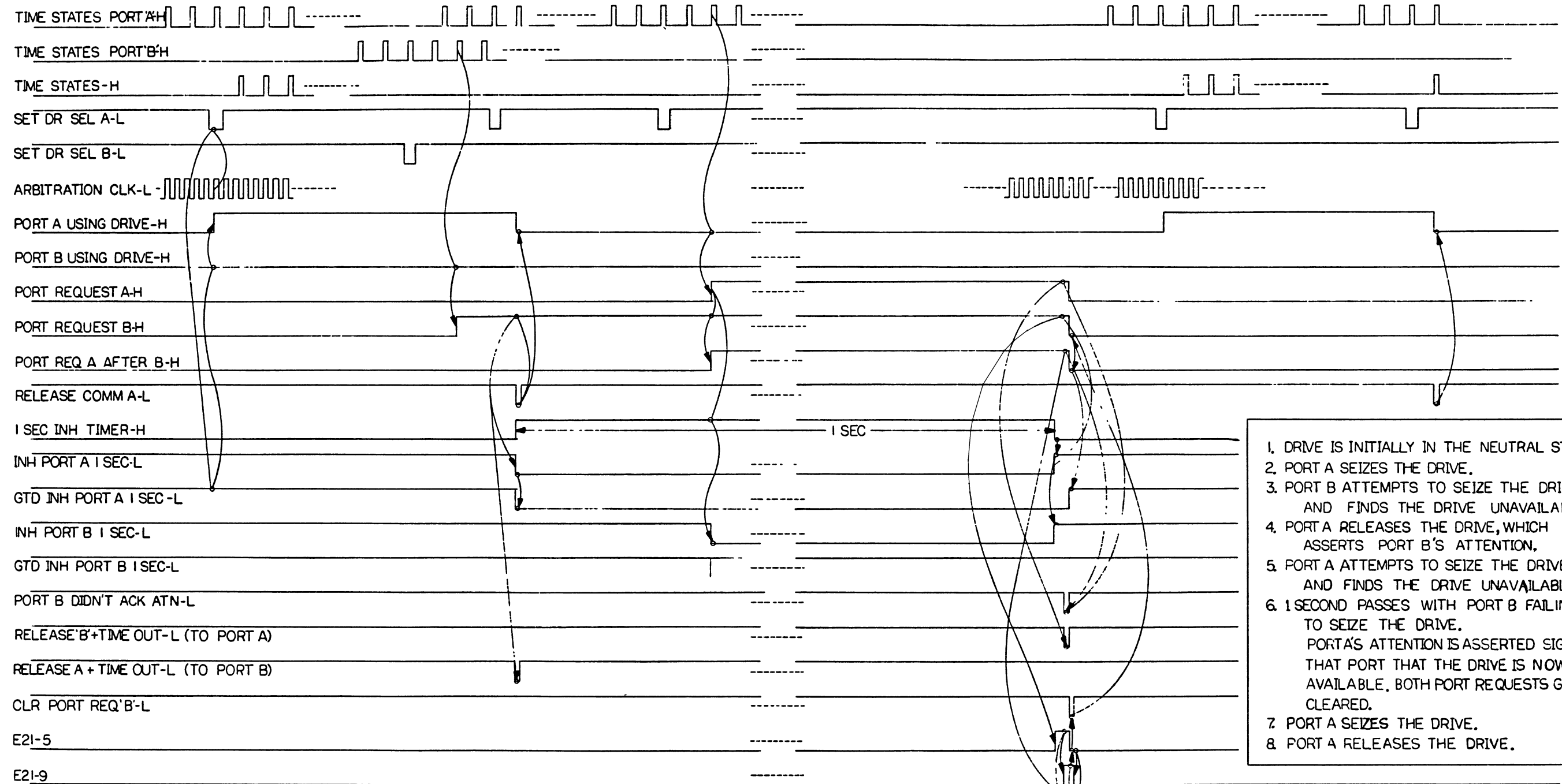
|                                            |  |           |           |      |
|--------------------------------------------|--|-----------|-----------|------|
| TITLE (RK06) DUAL PORT LOGIC BLOCK DIAGRAM |  | SIZE CODE | NUMBER    | REV. |
| SCALE                                      |  | D BD      | M7730-0-2 | B    |
| SHEET 3 OF 3                               |  | DIST.     |           |      |



|                               |                         |                 |
|-------------------------------|-------------------------|-----------------|
| DRN 1.5/10/64 843-2           | FIRST USED ON RK06      | digital         |
| CHK'D, M. J. 4-24-77          | ENG. R. J. 11 39 APR 77 | TITLE (RK06)    |
| PROJ. ENG. R. J. 11 39 APR 77 | PROB. 1.5/10/64 843-2   | DUAL PORT LOGIC |
| NEXT HIGHER ASSY.             | B-DD-M7730-0            | NUMBER          |
| SCALE 1                       | DIST.                   | REV. B          |
| SHEET 1 OF 2                  |                         |                 |



"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



1. DRIVE IS INITIALLY IN THE NEUTRAL STATE.
2. PORT A SEIZES THE DRIVE.
3. PORT B ATTEMPTS TO SEIZE THE DRIVE AND FINDS THE DRIVE UNAVAILABLE.
4. PORT A RELEASES THE DRIVE, WHICH ASSERTS PORT B'S ATTENTION.
5. PORT A ATTEMPTS TO SEIZE THE DRIVE AND FINDS THE DRIVE UNAVAILABLE.
6. 1 SECOND PASSES WITH PORT B FAILING TO SEIZE THE DRIVE. PORT A'S ATTENTION IS ASSERTED SIGNALING THAT PORT THAT THE DRIVE IS NOW AVAILABLE. BOTH PORT REQUESTS GET CLEARED.
7. PORT A SEIZES THE DRIVE.
8. PORT A RELEASES THE DRIVE.

| REVISIONS |            |      |
|-----------|------------|------|
| CHK       | CHANGE NO. | REV. |
|           |            |      |

DUAL PORT LOGIC RELEASE AND TIME OUT TIMING

|                                             |              |           |           |      |
|---------------------------------------------|--------------|-----------|-----------|------|
| TITLE (RK06) DUAL PORT LOGIC TIMING DIAGRAM |              | SIZE CODE | NUMBER    | REV. |
| D T D M7730-0-3                             |              | D T D     | M7730-0-3 | B    |
| SCALE                                       | SHEET 2 OF 2 | DIST.     |           |      |

| LINE | ITEM | DOCUMENT NO. | PART NO.   | DESCRIPTION                            | QTY  | REFERENCE DESIGNATORS          |
|------|------|--------------|------------|----------------------------------------|------|--------------------------------|
| 1    | 1    |              | 5012638-00 | M7730                                  | 1    |                                |
| 2    | 2    |              | 1000012-00 | ***** THIS ITEM IS NOT USED *****      | -    |                                |
| 3    | 3    |              | 1000004-00 | 150 MFD 15V 20% 1500 S.TA (10-00       | 2    | C50,C53                        |
| 4    | 4    |              | 1001610-01 | .01 MFD 100V OR 50V Z5U DISC/800PF MIN | 49   | C1-C49                         |
| 5    | 5    |              | 1005306-00 | 6.8MFD 35V 10% 1500 S.TA (10-00        | 5    | C51,C54-C57                    |
| 6    | 6    |              | 1105275-00 | ***** THIS ITEM IS NOT USED *****      | -    |                                |
| 7    | 7    |              | 1112689-00 | LED .8MCD@16MA VF=5V                   | 4    | DS1-DS4                        |
| 8    | 8    |              | 1210209-00 | SW,TOG 1P,01A SUBMINI                  | 1    | S1                             |
| 9    | 9    |              | 1300295-00 | 330 1/4W 5% CC (13-00                  | 1    | R1                             |
| 10   | 10   |              | 1300365-00 | 1 K 1/4W 5% CC (13-00                  | 3    | R4-R6                          |
| 11   | 11   |              | 1301401-00 | 750 1/4W 5% CC (13-00                  | 1    | R2                             |
| 12   | 12   |              | 1301808-00 | 22 K 1/4W 5% CC (13-00                 | 2    | R7,R8                          |
| 13   | 13   |              | 1300479-00 | 10 K 1/4W 5% CC (13-00                 | 2    | R9,R10                         |
| 14   | 14   |              | 1301890-00 | 560 1/4W 5% CC (13-00                  | 1    | R3                             |
| 15   | 15   |              | 1609428-00 | DELAY= 50NS,0TAPS DC150                | 1    | E19                            |
| 16   | 16   |              | 1905547-00 | DEC 7474 FF-D DUAL,EDGE TRIGGER,15MHZ  | 8    | E15,E20,E21,E27,E36,E37,E43,   |
|      |      |              |            |                                        | CONT | E49                            |
| 17   | 17   |              | 1905575-00 | 7400 NAND GATE-QUAD 2IN                | 5    | E8,E9,E32,E45,E46              |
| 18   | 18   |              | 1905576-00 | 7410 NAND GATE-TRIPLE 3IN              | 3    | E26,E41,E47                    |
| 19   | 19   |              | 1905577-00 | 7420 NAND GATE-QUAD 4INPUT             | 1    | E50                            |
| 20   | 20   |              | 1909004-00 | DEC 7402 NOR GATE-QUAD 2IN             | 3    | E24,E28,E42                    |
| 21   | 21   |              | 1909686-00 | 7404 INVERTER GATE-HEX 1IN             | 9    | E6,E7,E13,E17,E29,E31,E35,E38, |
|      |      |              |            |                                        | CONT | E48                            |
| 22   | 22   |              | 1909701-00 | 74154 1 OF 16,BINARY SELECT            | 1    | E18                            |
| 23   | 23   |              | 1910091-00 | DEC 7437 NAND GATE-QUAD 2IN,BUFFER 14  | 1    | E14                            |
| 24   | 24   |              | 1910155-00 | DEC 7408 AND GATE,POS,QUAD 2IN 14      | 3    | E10,E33,E44                    |
| 25   | 25   |              | 1910436-00 | DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE  | 2    | E5,E16                         |
| 26   | 26   |              | 1910655-00 | 74157 MUX 1 OF 2 (QUAD                 | 6    | E1,E2,E12,E23,E30,E34          |
| 27   | 27   |              | 1911324-00 | 7414 NAND GATE-HEX 1IN SCHMITT TRIG    | 1    | E3                             |
| 28   | 28   |              | 7413826-00 | HANDLE                                 | 1    |                                |

| REVISION HISTORY |        |     | VARIATIONS FOR THIS ASSY. |  | FIRST USED ON: RK06 |                 | DIGITAL EQUIPMENT CORPORATION<br>MAYNARD, MASSACHUSETTS |           |                      |                 |
|------------------|--------|-----|---------------------------|--|---------------------|-----------------|---------------------------------------------------------|-----------|----------------------|-----------------|
| CHK              | FCQ NO | REV |                           |  | MADE BY:            | D. MAYUSHI      | DATE:                                                   | 30-JUN-78 | TITLE                |                 |
| BHF              | 00002  | D   | 00                        |  | CHECKED:            | D. MAYUSHI      | DATE:                                                   | 30-JUN-78 | PARTS LIST           |                 |
|                  |        |     |                           |  | DSN.ENG.:           | ROBERT H. WOLFF | DATE:                                                   | 30-JUN-78 | RK06 DUAL PORT LOGIC |                 |
|                  |        |     |                           |  | PROD.:              | BOB GOODWIN     | DATE:                                                   | 30-JUN-78 | SIZE:CODE:           | DOCUMENT NUMBER |
|                  |        |     |                           |  | RESP.ENG.:          | ROBERT H. WOLFF | DATE:                                                   | 30-JUN-78 | K PL                 | M7730-0-DRP     |
|                  |        |     |                           |  |                     |                 |                                                         |           | ASSY.NO.:            | D-UA-M7730-0-0  |
|                  |        |     |                           |  |                     |                 |                                                         |           |                      | REV             |
|                  |        |     |                           |  |                     |                 |                                                         |           |                      | EDIT#           |
|                  |        |     |                           |  |                     |                 |                                                         |           |                      | 4               |

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.  
COPYRIGHT 1978, DIGITAL EQUIPMENT CORPORATION"

| LINE | ITEM | DOCUMENT NO.        | PART NO.   | DESCRIPTION                                                   | QTY | REFERENCE DESIGNATORS  |
|------|------|---------------------|------------|---------------------------------------------------------------|-----|------------------------|
| 29   | 29   |                     | 7413826-01 | HANDEL, MODULE                                                | 1   |                        |
| 30   | 30   |                     | 9000024-01 | EYELET, ROLLED FLANGE, .121 OD X .196 LG                      | 8   |                        |
| 31   | 31   |                     | 9105740-55 | WIRE(WRAP)30AWG                   UL1423           (91-00 A/R |     |                        |
| 32   | 32   |                     | 9009105-00 | JUMPER, WIRE, INSULATED, BLACK BAND                           | 2   | W1,W2                  |
| 33   | 33   |                     | 1000042-00 | 1000.0 MWF 100V 5%200PPM RM155           (10-00               | 1   | C58                    |
| 34   | 34   | B-DD-M7730-0-0      |            | DRAWING DIPECTORY                                             | REF |                        |
| 35   | 35   | D-UA-M7730-0-0      |            | UNIT ASSFMALY                                                 | REF |                        |
| 36   | 36   | D-CS-M7730-0-1      |            | CIRCUIT SCHEMATIC                                             | REF |                        |
| 37   | 37   | D-MD-5012638-0-0    |            | DRILL AND ETCH DRAWING                                        | REF |                        |
| 38   | 38   | I.C. SPARES, 16 PIN |            |                                                               | 6   | E4,E11,E22,E25,E39,E40 |

|                                   |                        |              |          |          |                   |         |
|-----------------------------------|------------------------|--------------|----------|----------|-------------------|---------|
| ! DIGITAL EQUIPMENT CORPORATION ! | ! TITLE                | ! PARTS LIST | ! SIZE ! | ! CODE ! | ! DOCUMENT NUMBER | ! REV ! |
| ! MAYNARD, MASSACHUSETTS !        | ! RK06 DUAL PORT LOGIC |              | ! K !    | ! PL !   | ! M7730-0-DBP     | ! D !   |

COPYRIGHT © 1976  
DIGITAL EQUIPMENT CORPORATION

DEC 16-13251-1097-N) 7.1

ML2

This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.

COPYRIGHT © 1976  
DIGITAL EQUIPMENT CORPORATION

NOTES:

- 1. THE ROUTING OF SOME WIRES ARE CRITICAL. ANY ROUTING CHANGE MUST HAVE DISK ENGINEERING APPROVAL.

|                            |           |                       |             |               |          |
|----------------------------|-----------|-----------------------|-------------|---------------|----------|
| FIRST USED ON OPTION MODEL |           | QTY.                  | DESCRIPTION | PART NO.      | ITEM NO. |
| RK06                       |           |                       |             |               |          |
| PARTS LIST                 |           |                       |             |               |          |
| DRN.                       | DATE      | TITLE                 |             |               |          |
| W. Major                   | 20 APR 76 | WIRE LIST (DUAL PORT) |             |               |          |
| CHK'D.                     | DATE      | TITLE                 |             |               |          |
| W. Major                   | 20 APR 76 | WIRE LIST (DUAL PORT) |             |               |          |
| ENG.                       | DATE      | TITLE                 |             |               |          |
| W. Major                   | 4/20/76   | WIRE LIST (DUAL PORT) |             |               |          |
| PROJ. ENG.                 | DATE      | TITLE                 |             |               |          |
| W. Major                   | 4/24/76   | WIRE LIST (DUAL PORT) |             |               |          |
| PROD.                      | DATE      | TITLE                 |             |               |          |
| W. Major                   | 4/24/76   | WIRE LIST (DUAL PORT) |             |               |          |
| NEXT HIGHER ASSEMBLY       |           | TITLE                 |             |               |          |
| C-AD-7012474-0-0           |           | WIRE LIST (DUAL PORT) |             |               |          |
| SCALE                      |           | SIZE                  | CODE        | NUMBER        | REV.     |
| 1 OF 1                     |           | K                     | WL          | 7012474-1-DBW | L        |

| REV. | CHANGE NO.    |
|------|---------------|
| A    | 7012474-00001 |
| B    | 7012474-00002 |
| C    | 7012474-00003 |
| D    | 7012474-00005 |
| E    | 7012474-00006 |
| F    | 7012474-00008 |
| H    | 7012474-00009 |
| J    | 7012474-00010 |
| K    | 7012474-00012 |
| L    | 7012474-ML015 |

BLANK